STORAGE

DEPARTMENT OF MARINE AND FISHERIES, CANADA.

METEOROLOGICAL SERVICE.

Monthly Weather Review

VOL. XXXIX. DECEMBER, 1915 No. 12

INTRODUCTION.

In compiling the present Review, the principal data made use of are the telegraphic reports of observations received at this office for the purpose of weather forecasting, and reports by mail from voluntary observers and storm-signal agents. For the data used in tracing the paths of areas of high and low pressure in the United States, we are indebted to the Chief of the Weather Bureau, Washington, D.C.

HIGH AREAS.

Ten areas of high pressure were charted. One first appeared in the vicinity of the Yukon Territory, three to the northward of the Great Lakes, four in the north Pacific States, and two on the Californian coasts. Four of the areas passed over, and the remainder far to the southward of, the Great Lakes. The seven systems which were first indicated on the United States Pacific seaboard were all fairly energetic, so was the one which travelled from the Yukon to the Great Lakes between the 27th and the 31st, while the three northern areas were feeble. A high mean temperature for the month was recorded in nearly all portions of the Dominion.

LOW AREAS.

Eleven areas of low pressure were charted. Seven first appeared on the far north-western coasts of the continent, probably having travelled from the Aleutian Islands; two in the south western portion of the United States, and two on the Atlantic Ocean. Of the continental areas five moved over and three passed to the southward of the Great Lakes, while one drew southwards to Northern Texas, and lost its energy. The systems as a whole were both energetic and widespread, and many pronounced gales were recorded, both on our Pacific and Atlantic shores.

ATMOSPHERIC PRESSURE.

The differences from mean monthly pressure were as follows: Dawson, .00; Atlin, —.18; Prince Rupert, —.10; Barkerville, —.05; Victoria, —.06; Vancouver, —.07; Kamloops, —.15; Banff, —.08; Edmonton, —.16; Calgary, —.12; Prince Albert, —.08; Battleford, —.05; Medicine Hat, —.15; Swift Current, —.11; Qu'Appelle, —.05; Minnedosa, —.00; Winnipeg, .00; Port Arthur, —.04; White River, —.06; Parry Sound, .00; Southampton, —.01; Port Stanley, —.01; Toronto, —.03; Kingston, —.03; Stonecliffe, —.03; Ottawa, —.07; Montreal, —.07; Quebec, —.07; Father Point, —.05; Charlottetown, —.14; Chatham, —.10; Yarmouth, —.11; Halifax, —.14; Sydney, —.15; St. John, —.15; St. John's, —.23; Prospect Fort, Bermuda, —.10.

GENERAL SYNOPSIS OF TEMPERATURE AND PRECIPITATION.

The following table is intended to show the average values of temperature and precipitation for each province for the month under review. District and Provincial means would, under ideal conditions, be derived from stations situated in equi-areal squares. But since in reality they are so situate as to appear, rather, constellation-wise upon the map, anomalous values arising from local topographical peculiarities may have received more than their just weight in the computation of the following averages.

Where no difference from normal is assigned, observations over a period long enough for reference are not available.

DECEMBER, 1915

PROVINCE AND DISTRICT.	Temperature (Fahr.).						Precipitation.				STATION DIFFERENCES FROM NORMAL TEMPERATURE
	Mean Daily.	Mean Daily Maximum.	Mean Daily Minimum.	Mean Daily Range.	Extreme Highest.	Extreme Lowest.	Total in Inches.	Difference from Normal.	Number of Days.	Greatest Fall.	
British Columbia—											
South Vancouver Island	39	44	35	9	55	17	10 95	+25	21	2 07	−2° to +1°
North Vancouver Island	40	44	36	8	62	25	13 20		25	2 60	−1° at Quatsino
Lower Fraser River	38	42	35	7	56	11	11 50	+42	23	2 11	0° to +2°
Lillooet Lake	26	31	22	9	42	− 6	6 50	—	16	2 40	
Middle Fraser River	31	35	27	8	43	7	9 55	—	21	1 95	
Upper Fraser River	21	29	14	15	51	−20	1 60	+29	10	0 72	−3° to +3°
Okanagan and Similkameen Valleys	26	33	20	13	47	−20	1 50	+30	14	0 70	−9° to +1°
West Kootenay	26	32	21	11	56	−15	3 85	+40	16	1 10	−4° at Nelson
East Kootenay	22	30	15	15	47	−30	2 05	+27	11	1 20	−4° to +1°
Thompson River	28	35	21	14	50	−13	1 90	+48	14	0 73	−1° to +4°
North Columbia River	24	29	20	9	43	− 6	6 55	+ 5	19	1 40	0° to +1°
North Coast	33	37	29	8	51	3	8 75	00	19	2 45	0° to +2°
Queen Charlotte Island	38	42	34	8	47	25	10 70	+75	24	1 85	−1° at Massett
Alberta											
North Saskatchewan River	16	26	6	20	56	−21	0.40	−45	4	0 80	−1° to +3°
The Red Deer River	18	30	6	24	69	−17	0 25	−17	2	0 40	−7° to +2°
The Bow River	24	34	14	20	57	−22	0.70	−45	4	0.00	+1° to +5°
Athabasca River	15	25	5	20	40	−22	0 65	—	4	0 30	+4° at Athabasca Landing
Peace River	8	19	− 3	22	42	−38	0.55	—	4	0.50	−1° to −2°
Saskatchewan—											
Qu'Appelle River	10	19	2	17	51	−24	0.70	+15	6	0.50	0° to +7°
S. Saskatchewan River	19	30	8	22	55	−23	0.60	+50	4	0 70	+2° to+ 5°
N. Saskatchewan River	11	21	2	19	47	−21	0.35	−60	3	0.70	+4° at Battleford
Saskatchewan Forks	8	17	− 1	18	37	−22	0 65	+15	4	0.75	+1° to +5°
Lower Saskatchewan River	6	13	− 1	14	33	−22	0 80	—	9	0.20	
Manitoba—											
Qu'Appelle and Assiniboine Rivers	9	17	1	16	37	−28	1.25	+70	7	0 80	0° to +3°
The Red River	11	18	4	14	37	−24	1.30	+130	7	0 60	−2° to +5°
Winnipeg River	11	18	4	14	32	−19	1.10	—	5	0.60	
Dauphin Lake and River	7	16	− 1	17	37	−26	1.10	+50	5	0 70	0° at Dauphin
Lower Saskatchewan River	6	13	− 1	14	33	−22	0.80	—	9	0.20	
Ontario—											
Lake Superior Districts—											
Rainy River	13	21	6	15	36	−24	2 10	—	10	1.00	
Thunder Bay	15	23	7	16	38	−23	1.70	+50	9	0.70	+3° to +8°
Algoma	17	26	8	18	49	−21	1.55	00	9	0.80	+3° at White River
Nipissing	15	22	8	14	44	−21	2.30	00	13	0.80	+4° at Haileybury
Upper Ottawa River	17	24	10	14	35	−12	1.75	−24	11	0 40	+3°
Upper St. Lawrence and Ottawa Rivers	22	29	15	14	48	−20	3.00	+ 5	10	1.40	−1° to +4°
Georgian Bay Counties	22	29	16	13	56	−13	2.65	−20	11	1.23	−1° to +3°
Lake Huron Counties	26	30	22	8	39	− 1	3.15	−10	18	1 45	−3° to +1°
Lakes St. Clair & Erie, Niagara Peninsula	28	34	22	12	49	− 1	2.80	+ 5	10	1 00	−3° to +1°
West Central Counties	24	30	18	12	40	− 5	2.90	+ 7	13	1.75	−2° to +1°
Lake Ontario Counties	25	31	20	11	41	− 7	2 25	+ 3	10	0 82	−1° to +1°
East Central Counties	20	29	12	17	40	−19	2.20	−35	9	1.00	−3° to +2°
Quebec—											
Middle St. Lawrence	21	27	15	12	47	−28	3.10	+ 3	9	1 76	+3° to +6°
Lower St. Lawrence & Gulf	23	29	18	11	39	−21	3.15	−12	11	2.26	+5° to +11°
Lake St. John	17	23	12	11	35	−31	2.80	−15	13	0 90	+8 at Chicoutimi
Upper St. Maurice	15	22	8	14	34	−27	3.05	—	15	1 20	
Northwestern Districts	13	20	6	14	38	−28	2 55	−15	12	1.15	+2° at Abitibi Post
New Brunswick—											
All Stations	26	33	20	13	50	−10	4.00	+50	10	2.13	+4° to +9°
Nova Scotia—											
All Stations	21	27	16	11	58	− 5	5 75	+15	14	3 50	+1° to +5°
Prince Edward Island—											
All Stations	31	36	26	10	50	11	6 20	+35	17	1.77	+6° at Charlottetown

Chart Shewing the Difference of the Mean Temperature of December, 1915, from the Normal Mean.
A. J. C.
HUDSON BAY
Arctic Circle
0°
+3°
+6°
+9°

WINDS, DECEMBER, 1915

Provinces and Stations	Total Mileage.	Greatest Mileage in 24 hours.	Greatest Mileage in 1 Hour			Number of Days of			General Direction
			Miles	Direction	Date	Gales	Strong Winds	Fresh Winds	
British Columbia.									
Atlin	6555	418	30	NW	27	1	2	7	NE
Prince Rupert	7563	476	34	S	27	1	5	13	E,SE
Victoria	11424	796	59	SE	4	13	4	6	S,E
Point Garry	8716	721	48	SE-S	19 20	6	3	8	E
Vancouver	4406	319	23	SE	20	.....	.....	4	E
Kamloops	1578	148	12	W	28	.....	.....	1	E
Entrance Island	15011	788	56	E	5	18	5	6	E
Tranquille	4460	311	22	SW	28	.....	1	2	N, NE
Alberta.									
Edmonton	3793	238	16	NW	28	.....	.....	7	SW,NW
Calgary	3387	537	34	NW	28	1	.....	12	NW
Saskatchewan.									
Battleford	5227	483	32	SE	8	1	4	11	SE
Prince Albert	1625	147	11	E	8	.....	.....	.....	
Swift Current	7010	360	27	SE	8	.....	10	15	
Qu'Appelle	7002	381	26	SE	10	.....	5	22	SW,S
Manitoba.									
Le Pas	.....	.....	.....	.....	.....	.....	.....	.....	
Winnipeg	6823	406	23	NW	7	.....	4	19	
Ontario.									
Port Arthur	6558	402	31	NW	14	1	9	16	NW
White River	2609	226	14	NW	8	.....	.....	2	
Cochrane	4349	338	21	NW	14	.....	2	8	
Parry Sound	6098	538	25	SE	17	.....	6	14	NW
Southampton	10148	755	28	NW	14	.....	20	8	N,E
Woodstock	8148	431	28	NE	29	.....	16	11	E
Toronto	10625	523	41	NE	29	4	17	6	W
Kingston	7551	471	27	SE	23	.....	8	12	SW.
a Stonecliffe	2213	208	16	NW	14	.....	.....	5	
Ottawa	.....	.....	.....	.....	.....	.....	.....	.....	
Guelph	7881	406	30	E	17	1	14	12	NW,SW
Long Point	14205	888	186	E	29	23	7	1	NW,W
Agincourt	8236	435	34	E	17	1	15	11	NW
Quebec.									
Montreal	10267	782	.....	.....	.....	.....	.....	.....	W
Sherbrooke	6316	448	29	SW	14	.....	11	14	W
Quebec	9956	854	51	NE	14	5	14	11	NE, SW
Father Point	10877	694	40	NE	13	8	15	8	NW
Anticosti, SW	.....	.....	.....	.....	.....	.....	.....	.....	
Harrington	.....	.....	.....	.....	.....	.....	.....	.....	
New Brunswick									
Pt. Escuminac	11955	799	57	SW	26	8	17	4	NW
Fredericton	5920	455	39	NW	27	2	9	11	NW
St. John	11978	675	64	NW	27	8	17	6	NW
Pt. Lepreaux	14380	1026	63	E	14	15	13	3	W
Nova Scotia									
Yarmouth	11259	759	50	SW	26	7	10	13	
Wolfville	8596	599	43	NW	26	3	13	11	NW,W
Halifax	9649	599	42	SE	13	3	16	11	NW,NE
b Sable Island	7328	812	50	SW	26	6	8	2	SW
Flat Point	14969	862	55	W	27	20	9	1	W,NE
Prince Edward Island									
Charlottetown	7211	449	26	SE	14	.....	5	17	NW,W

a Record for 24 days. *b* Record for 16 days.

TEMPERATURE AND PRECIPITATION AT STATIONS IN THE DOMINION OF CANADA, DEC., 191

*Stations not furnished with Registering Thermometers

STATION	Latitude N.	Longitude W.	Elevation above sea level, in feet.	Temperature: Mean.	Difference from average	No. of Yrs Observations	Highest	Date	Lowest	Date	Mean daily range	Precipitation: Amount	Difference from average	Heaviest fall in month.	No. Days with .01 or more	No. of fair days	No. of auroras	No. of thunderstorms	No. of fog
BRITISH COLUMBIA—	° ′	° ′																	
S. Vancouver Island																			
Alberni (Beaver Creek)	49 15	124 49	300	35	— 2	20	46	2-4	17	30	8	16 51	+5 89	2 75	24	8	..	2	
Clayoquot	49 11	125 55	27	40	— 2	16	55	1-2	28	29	12	22 61	+6 22	2 05	25	6	..		
Clo-oose	49 40	124 50	..	39	—	4	51	7	27	29	8	20 90		2 54	25	6	..	2	
Cobble Hill	48 42	123 37	33	38	—	3	50	22	20	30	11	8 84		1 90	21	10	..	..	
Cowichan (Tzouhalem)	48 25	123 42	170	39	— 0	10	50	21	20	30	8	9 07	+2 71	2 10	22	9	..	..	
Departure Bay	49 40	124 0	....	39	—	3	50	21	24	30	8	8 28	—	1 09	25	6	..	..	
Entrance Island	49 12	123 56	.....	42	—	2	52	21	31	30-31	6	7 44	—	1 10	25	6	..	..	
Gillis Bay	49 40	124 32	....	37	—	3	49	2	22	29	8	8 91	—	1 52	22	9	..	..	
James Island	48 30	123 14	.....	41	—	2	54	20	29	30	9	5 97	—	1.02	16	15	..	..	
Ladysmith	48 57	123 39	...	37	—	3	51	21	21	29	9	12 15	—	1 99	24	7	..	..	
Lake (Little River)	49 44	124 54	12	38	—	2	48	3 4	23	30	10	9 10		1 15	21	10	..	..	
Metchosin	48 25	123 32	80	50		1	54	2	24	30	10	7 41	—	1 84	10	21	..	..	
Nanaimo	49 10	123 37	125	40	+ 1	15	52	21	23	30	9	8 47	+1 30	1 35	24	7	..	..	
Nanoose Bay	49 17	124 12	130	38	—	4	49	3-21	21	29 30	12	4 06	—	0 80	14	17	..	..	
Qualicum Beach	49 20	124 20	.....	37		3	49	22	24	30	10	1 84	—	1 03	17	14	..	..	
Salt Spring Island	48 50	123 20	.....	38	—	7	50	21	23	30	9	9 40	—	1 20	22	9	..	..	
Shawnigan Lake	48 37	123 44	400	36	—	3	48	21	18	30	9	10 57		2 16	19	12	..	..	
Sidney	48 27	123 27	200	39	—	2	51	20	26	30	9	9 89		1 21	22	9	..	..	
Sooke	48 41	123 44	25	40	—	5	54	4	24	30	12	8 32	—	2 08	21	10	..	..	
Ucluelet	48 58	125 32	.....	40	—	2	55	1	24	29	10	22 66	—	2 65	23	8	..	1	
Victoria	48 24	123 19	85	41	0	23	51	20	27	30	7	4 78	—1.13	0 82	21	10	..	..	
N. Vancouver Island																			
Alert Bay	50 33	127 0	.....			3													
Holberg	50 39	128 18	...	42	—	7	62	4	26	31	12	23 18	—	2 60	26	..	..	..	
Mary Island	50 8	125 6	25	39	—	2	49	2 5	26	30	8	11.68	—	1 38	23	8	..	..	
Quatsino	50 32	127 40	..	39	— 1	20	48	7-8	25	29	8	11 19	—3 15	1 78	30	1	..		
Triangle Island	50 52	129 5	680	41	—	4	46	1-3	33	31	2	3 70		0 58	20	11	..	1	
Lower Fraser River																			
Agassiz	49 14	121 31	52	38	+ 1	25	52	4	18	30	10	15 39	+8.02	2 41	27	4	..	..	
Britannia Beach	49 39	123 5	165	37	—	3	52	21	22	29-30	6	15.60	—	2 10	24	7	..	..	
Chilliwack	49 10	121 57	21	37	0	13	54	21	18	30	6	10.52	+1.82	1 76	24	7	..	2	
Hope	49 25	121 25	500	32		6	44	20	11	30	5	11 11	—	2 08	17	14	..	..	
Ladner	49 05	123 4	...	41	+ 2	15	56	11	22	30	8	5 30	+0 40	0 50	19	12	..	..	
New Westminster	49 13	122 54	330	38	0	28	51	21	19	30	7	10 90	+2 89	1 11	24	7	..	..	1
North Nicomen	49 12	122 2	59	38	0	22	52	21	19	30	8	13 62	+3 65	2 34	24	7	..	..	
Ruskin (Stave Falls)	49 16	122 23	125	38	—	7	50	22	19	30	7	13.02	—	1 89	26	5	..	..	2
Steveston (Garry Point)	49 21	123 17	.....	39	0	20	50	22-28	21	30	9	7 44	+2 13	1 24	26	5	..	..	
Vancouver	49 17	123 5	136	39	0	15	51	12	23	30	6	10 36	+2 80	1 23	25	6	..	2	
Lillooet Lake																			
Coronation	50 51	122 21	3570	21		1	39	2-3	4	30	13	5 51		2 10	14	17	..	..	
Pemberton Hatchery	50 20	122 33	700	29	—	5	42	6	1	30	7	5 98	—	1 24	18	13	..	..	
Pemberton Meadows	50 20	122 40	....	27	—	3	42	6	— 6	30	8	7 93	—	2 02	17	14	..	3	
Middle Fraser River																			
North Bend	49 42	121 26	495	31		1	43	4	7	30	11	9.53		1 95	21	10	..		
Upper Fraser River																			
Babine Lake	55 38	126 28	2230	17	—	7	39	5	10	30	11	0 70	—	0 40	3	28	..	..	
Barkerville	53 02	121 35	4180	20	1	27	39	4	7	30	11	4 85	+1 44	0 73	22	9	..	..	
Chilcotin (Big Creek)	51 40	126 50	3100	18	3	12	42	2 20	15	2	8	1 10	+0 21	0 60	5	26	..	..	
Cranberry Lake (South Frk)	52 50	119 20	2460	22		2	40	7	20	30	11	1 77		0 70	16	15	..	1	
Fifteen Mile Ranch (Pavilion)	50 20	120 50	....	..	..	3	..	..	..	..	..	..	..	..	..	..	..	..	
Fort St. James (Stuarts Lake)	54 28	124 12	2280	20	3	22	40	5	10	2	1	0 86	—0 60	0 18	8	23	..	..	
Hydraulic	52 42	122 5	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	
Kleena Kleena						1													
New Hazleton	55 15	127 35	.....	27	—	2	47	1	— 6	4	5	1 10	—	0 25	11	20	..	..	
Quesnelle	52 59	122 30	1700	23	— 1	20	51	4	8	5	8	1 90	+0 98	0 50	7	24	..	..	

TEMPERATURE AND PRECIPITATION AT STATIONS IN THE DOMINION OF CANADA, DEC., 1915.

*Stations not furnished with Registering Thermometers

STATION.	Latitude N.		Longitude W.		Elevation above sea level, in feet	Temperature: Mean.	Difference from average.	Yr's Observations.	Highest.	Date.	Lowest.	Date.	Mean daily range.	Precipitation: Amount.	Difference from average.	Heaviest fall in month.	Days with .01 or more.	No. of fair days.	No. of auroras.	No. of thunderstorms.	No. of fogs.
	°		°	′																	
British Columbia—Con.																					
Okanagan and Similkameen Valleys																					
Alvaston	50	3	119	27	1325	30	—	1	46	4-5	— 1	30	12	1.22	—	0.25	16	15	..	..	..
Duck Lake Ranch	50	3	119	20	1400	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	..
Hedley	19	36	120	10	1771	27	— 2	12	46	5	— 6	29	14	1.23	+0.53	0.40	13	18	..	..	..
Hedley (Nickel Plate)	49	20	119	59	4500	13	— 9	12	30	2-3	—13	29	15	3.80	+1.70	0.70	12	19	..	..	..
Kelowna (Bankhead Orc'd)	49	54	119	18	..	30	—	2	46	6	1	30	12	1.32	—	0.47	12	19		..	..
Kelowna (Okanagan Mission)	49	15	119	29	1200	31	+ 1	16	44	4-21	4	30	10	1.23	—0.15	0.22	11	20	..	..	..
Keremeos	49	15	120	0	1372	...	...	7	..	...	...	...	..	...	...	..			..	..	..
Penticton	49	29	119	35	.....	31	— 2	9	45	8-22	4	30	11	1.14	+0.39	0.26	15	16			..
Princeton	49	29	120	29	1650	19	— 3	21	41	5	—20	30	16	1.67	+0.33	0.52	9	22		..	2
Richlands	50	18	118	35	.....	26	—	3	47	3	—13	29	15	0.80	—	0.15	3	28	..	..	..
Summerland	49	36	119	40	1100	28	—	9	43	5-22	1	30	11	1.85	—	0.70	22	9		..	..
Vernon (Coldstream Ranch)	50	14	119	15	1582	27	— 1	21	45	4	— 1	30	12	0.87	—0.40	0.30	14	17	..	..	..
West Kootenay																					
Boswell	49	19	116	41	.....	29	—	2	43	8-21	10	31	10	3.81	—	0.80	14	17	.	..	..
Crawford Bay	49	45	116	45	2000	27	—	6	37	4-7	4	29	10	6.41	—	0.73	20	11	..	..	..
Creston	49	6	116	33	1986	25	—	4	44	21	— 7	29	13	3.71	—	0.60	14	17	..	..	..
East Arrow Park	50	5	117	55	1413	28	—	2	42	22	0	30	9	3.72	—	0.70	16	15		..	..
Fauquier	49	54	118	6		...	...	3	...	...	...	...	...	...	...	...				..	..
Grand Forks	49	2	118	27	1746	25	—	5	44	21	— 8	30	10	1.25	—	0.34	14	17	..	..	1
Greenwood	49	1	118	6	2400	24	—	4	48	3-4	—15	29	16	3.63	—	0.60	16	15		..	..
Howser	50	18	117	0	.....	...	...	4	...	...	...	...	...	...	...	...				..	..
Kaslo	49	52	117	0	1752	27	—	8	41	10-11	— 2	29-31	13	3.40	—	1.10	6	25		..	..
Nakusp	50	14	117	49	1413	27	—	4	45	21	1	30	9	3.53	—	0.68	14	17	..		1
Nelson	49	29	117	21	1760	27	— 4	12	41	9	— 1	30	9	3.57	+1.03	0.60	15	16	..	..	..
Pend d'Oreille (Waneta)	49	4	117	35	2260	24	—	3	56	9	— 8	30	11	3.55	—	1.00	16	15		..	..
Perry Siding	49	6	117	48	1700	24	—	3	41	6-9	— 6	29	11	3.04	—	0.58	17	14	..	..	..
Rossland	49	5	117	48	3400	...	...	12	...	...	...	...	...	...	...	..			..	..	..
Westley	49	20	117	45	1414	28	—	2	42	9	3	30	8	3.87	—	0.55	18	13	..	..	1
East Kootenay																					
Baynes Lake	49	13	115	12	2800	22	—	1	45	22	—30	30	21	2.08	—	0.85	9	22		..	..
Cranbrook	49	30	115	50	...	21	+ 1	15	43	22	—22	30	20	1.50	—0.07	0.80	3	28		..	..
Fernie	49	30	115	3	3305	22	—	2	43	22	—24	30	14	5.91	—	1.20	21	10		..	..
Fruitlands (Elko)	49	1	115	5	2684	25	— 4	20	47	8	—12	30	10	2.10	+0.85	0.80	8	23		..	..
Gateway	49	2	115	10	...	23	—	2	45	20	—23	30	14	1.50	—	0.70	25	6			..
Invermere	50	30	116	2	2650	20	—	3	40	4-8	—16	30	14	0.58	—	0.13	7	24		..	..
Wilmer	50	34	116	14	3300	20	—	7	40	5	— 9	31	12	0.80	—	0.23	5	26		..	..
Thompson River																					
Armstrong	50	26	119	11	1187	26	—	3	42	4	—11	30	11	2.14	—	0.26	15	16		..	..
Chipook Cove	51	14	120	10	...	26	—	2	48	5	— 3	31	14	1.56	—	0.29	15	16		..	..
Edith Lake					.....	22	—	2	40	3	—13	29	16	2.60	—	0.40	14	17	..		..
Enderby	50	32	119	7	1180	27	— 1	12	45	4	— 8	29	12	2.10	—0.20	0.61	17	14		..	..
Glenemma	50	22	119	19		30	—	2	50	7-15	5	18-28	21	2.20	—	0.60	12	19	..		..
Kamloops	50	9	120	39	1245	30	+ 1	25	47	4-5-6	— 2	30	11	1.60	+0.05	0.38	17	14		..	..
Monte Creek	50	35	119	59	1156	29	—	3	50	5-6	— 8	29	15	0.88	—	0.29	8	23	..	..	..
Nicola Lake	50	9	120	39	2120	27	— 0	20	43	6	6	17	16	1.36	+0.46	0.30	11	20		..	..
Salmon Arm (Exp. Farm)	50	41	119	12		28	—	5	43	6	— 7	29	13	3.00	+2.29	0.73	14	17	..	..	..
Tappen	50	45	119	20	1350	29	—	3	46	5	— 2	30	12	3.23	—	0.60	22	9	..		3
Tranquilla	50	41	120	29	1142	31	—	7	50	5	1	30	11	1.02	—	0.30	15	16	..	..	..
Vavenby	51	36	119	45	1460	26	—	3	45	4-5	—11	30	13	1.27	—	0.41	10	21	..	1	..
North Columbia River																					
Glacier	51	14	117	29	4072	20	+ 1	13	34	22	— 6	30	8	7.95	—0.12	1.40	21	10	..	..	..
Golden	51	16	116	55	2550	...	...	14	...	...	...	...	...	...	...	..				..	..
Revelstoke	50	0	118	6	1746	27	0	16	43	23	— 5	30	10	5.12	+0.56	1.00	17	14	..	..	..

TEMPERATURE AND PRECIPITATION AT STATIONS IN THE DOMINION OF CANADA, FEB., 191?.

*Stations not furnished with Registering Thermometers

STATION.	Latitude N.	Longitude W.	Elevation above sea level, in feet.	Temperature: Mean.	Difference from average.	Yr's Observations	Highest	Date	Lowest	Date	Mean daily range	Precipitation: Amount	Difference from average	Heaviest fall in month	Days with .01 or more	No. of fair days	No. of snows	No. of thunderstorms	No. of fogs
BRITISH COLUMBIA—Con.																			
North Coast	° ′	° ′																	
Bella Coola	52 10	126 51	160	33	+ 2	17	48	3	[illegible]	30	8	5 08	[illegible]	0 85	18	[illegible]		..	1
Mill Bay	55 0	133 0	...	32	—	1	40	3	17	29	7	9 70	—	1 14	[illegible]	11	..	.	
Prince Rupert	54 18	130 18	170	38	0	6	51	[illegible]	[illegible]	29	4	11 64	—	1 8?	20	5	.	.	
Stewart	56 1	130 1	215	29	—	6	45	6	[illegible]	29	10	9 06	—	2 00	1?	11	..		
Terrace	54 30	128 30	515	31	—	4	45	2	13	29	—	5 44		1 31	12	19			
Welcome Harbour	53 55	130 22	....	—	—	2	—		—			11 80		2 45	[illegible]	11			
Queen Charlotte Islands																			
Ikeda Bay	52 17	131 7	5	38	—	5	43	3-15	[illegible]	31	[illegible]	9 12	—	1 02	[illegible]	11	..	.	
Massett	53 58	132 9	10	35	— 1	18	47	11	25	30	4	11 25	+ 4 34	1 55	[illegible]	5	..		
Yukon Boundary																			
Atlin	59 35	133 38	2240	19	+ 5	10	37	[illegible]	7	11	[illegible]	1 25	[illegible]	0 25	15	16	3		4
YUKON—																			
Carcross	60 11	134 34	2171	9	—	9	35	27	[illegible]	[illegible]	18	1 40	—	[illegible]	[illegible]	[illegible]		..	.
Dawson	64 4	139 29	1200	— 6	0	14	14	29	31	15	13	[illegible]	[illegible]	[illegible]	7	24	..	..	..
ALBERTA—																			
N. Saskatchewan River																			
Campsie	54 8	114 42	.....	13		4	40	22	[illegible]	13	[illegible]	[illegible]	—	[illegible]	3	[illegible]	3	..	.
Daysland	52 52	112 17	.....	16	—	8	40	2	— 10	20	17	0 5?	—	0 10	5	[illegible]	..	..	
Edmonton	53 33	113 30	2158	19	0	33	41	3	— 6	13	[illegible]	0 54	[illegible]	0 51	7	24	[illegible]	..	.
Endiang	52 0	112 0	2795	.....	....	5	....	.....	.		..		...	...	..	..	..	..	
Halkirk (Emsburg)	52 17	112 10	.....	13	— 4	9	39	6	— 15	5	[illegible]	—	—	—	—	—	1		
Hardisty	52 42	110 40	.....	16	—	2	42	3	— 12	15	1	0 15	—	0 10	[illegible]	[illegible]	.	.	
Kinsaird	53 15	113 50	.....	18	—	1	43	6 20	— 5	[illegible]	[illegible]	0 22	—	0 11	3	28	..	..	.
Loveland	52 30	111 59	.....	15	—	6	40	2	— 10	[illegible]	21	0 15	—	[illegible]	2	[illegible]	.	..	
Nordegg	52 26	116 20	4500	20	—	1	46	4	— 4	20	15	0 31	—	0 15	5	20	..	..	.
Pakan	54 0	112 3	...	.....	.....	.	...	.....	......				..		.		..	..	
Provost	52 20	110 15	.....	14	—	2	41	2	— 6	12	18	0 25	—	0 20	[illegible]	24	.		
Ranfurly (Wattefield)	53 29	111 38	2000	14	+ 3	11	40	3	11	[illegible]	[illegible]	0 35	[illegible] 44	0 10	5	23	2		
Rocky Mountain House	52 21	114 57	.....	....	...	1	....	...	..			...	...		.	.			
Sedgewick	52 47	111 41	.....	17	—	3	46	14	[illegible]	[illegible]	[illegible]	—	—	—					
Sion	53 54	114 15	.....	15	—	4	35	3-22	— 10	13	[illegible]	0 65	—	[illegible]	7	24	[illegible]	.	
Twin Lakes	53 22	109 35	.....	24	—	2	56	5	11	29	18	1 30	—	[illegible]	1	27	.		
Vermilion	53 22	110 50	.....	.....	......	..	...	....	...	...				.	.		..		
Wastina	51 39	111 5	..	14	—	3	45	3	[illegible]	15	[illegible]	0 25	—	0 25	1	[illegible]	..	.	
The Red Deer River																			
Alix	52 24	113 10	2585	17	+ 2	11	45	2	[illegible]	[illegible]	[illegible]	0 80	+ 0 23	0 10	6	25	..		
Alsask	51 20	109 55	....	......	.....	3	....	....	..	...		.	.	..	..		..		
Clemens	51 15	114 44		......	.....	..	...	....		..					.		..	..	
Didsbury	51 40	114 8	3300	24	+ 2	12	51	2	[illegible]	[illegible]	15	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	..		
Empress	50 55	110 5	...	...	.. ..	2	...	.. ..		.						.	..		
Harmattan	51 45	114 23	3500	21		8	50	3-5	17		[illegible]	0 10	—	[illegible] 10	1	20	..	..	
Hilladown	52 14	112 29	2940	11	— 7	12	49	2	— 5	[illegible]	1	0 35	[illegible]	[illegible]	4	[illegible]	.		
Jenner	50 45	111 7	2430	25		1	62	3	— 10	[illegible]	[illegible]	1	—	1	[illegible]	[illegible]	.		
Lacombe (Ex. Farm)	52 58	113 44	2783	18	+ 2	9	49	21	— 12										
Moose (Tyrol)	51 15	110 39		10		3	45	29-30	— 17	15	[illegible]	0 15	—	[illegible]	1	[illegible]	.		
Olds	51 45	114 5	...	23	—	2	55	19	— 11	[illegible]		0 25	.	[illegible]	1	[illegible]	..		
Perbeck	51 58	113 5	..	17	—	3	42	2	— 12	[illegible]	[illegible]	0 20	—	[illegible]	[illegible]	25	.		1
Red Deer	52 15	113 49	2806	17	—	15	46	[illegible]	— 11			0 13		[illegible]	1	[illegible]	.		
Rosedale	51 22	112 31	...	12	—	2	48	5	[illegible]								..		
Springdale	52 51	110 12		15		3	45	3	[illegible]	[illegible]		[illegible]			4	27	..		
The Bow River																			
Bassano	50 50	112 19	2625	21	—		57	2	[illegible]			0 13			3	28	..		
Brooks	50 34	111 54	...	.		4	—					[illegible] 55			5	26	..		
Brooks (2)	..	..	..	22	—	1	53		11		[illegible]	[illegible]			3	[illegible]	..		
Calgary	51 2	114 2	3427?	24	+ 3	41	51	4	[illegible]			[illegible]	[illegible]	[illegible]	3	[illegible]	..	.	
Claresholm	50 2	113 35	.....	22	—	2	52		10			[illegible] 15		[illegible]	5	28	.		
Expanse Coulee	50 2	113 8	.....	25	—	3	52					[illegible] 31		[illegible] 14	5	[illegible]			
Foremost	49 28	111 27	2750	.. ..	.. .	1	....												
Gleichen	50 50?	112 34	2952?	22	+ 5	13	[illegible]	1				1	[illegible] 37	1			.		
High River	50 35	113 53	3394	..		.	...	...											
Langdon	50 48	113 31?	3201	..	...	..	..	..											
Lethbridge (Exp. Farm)	49 43	112 31?	2961	25	0	8	[illegible]	[illegible]				[illegible]	[illegible]	[illegible]					
Lundbreck	49 34	114 8		21	—	3	47	[illegible]	[illegible]				—			[illegible]			
Macleod	49 44	113 24?	3129?	26	0	26	51					[illegible]	[illegible]	[illegible]		[illegible]			
Medicine Hat	50 1	110 37	2143	26	+ 5	30	[illegible]					[illegible]	[illegible]		[illegible]	[illegible]			
Medicine Hat Ex. Farm	50 3	110 38?		... .	...	3	.												
Milk River	49 8	112 1?	3420	23	—	1	48												1
Minda Many Berries Ranch	49 28	110 40				1													
Okotoks	50 43	113 30?	..	24	—	3	52					[illegible]	—		[illegible]	[illegible]	1		
Pekisko	50 26	114 14		23		2	[illegible]					[illegible]				24			
Pincher Creek	49 28	113 53?	..	26	+ 1	17	[illegible]					[illegible]			4				
Ronolane	50 5	111 34	2350	25		3	[illegible]												
Strathmore	51 3	113 23		23	—	4	52												
Suffield	50 13	111 8?	...	22	—	3?	[illegible]												
Sundial	50 8?	112 34	...	25	—	5	[illegible]												

TEMPERATURE AND PRECIPITATION AT STATIONS IN THE DOMINION OF CANADA, DEC., 1915.

*Stations not furnished with Registering Thermometers.

STATION.	Latitude N.	Longitude W.	Elevation above sea level, in feet.	Temperature. Mean.	Difference from average.	Yr's observations.	Highest.	Date.	Lowest.	Date.	Mean daily range.	Precipitation. Amount.	Difference from average.	Heaviest fall in month.	Days with .01 or more.	No. of fair days.	No. of aurora.	No. of thunderstorms.	No. of fogs.
ALBERTA—Continued	° ′	° ′																	
Rocky Mountains																			
Banff	51 10	115 34	4542	17	− 3	21	42	4	−19	30	16	1.53	+0.26	0.51	8	23	..	..	..
Cannore	54 8	114 30	.....	.....	.....	..	.....	.....	.....	.....	..	.....	.....	.....	..	..	..	..	..
Lake Louise	51 23	116 8	.....	16	−	1	37	5	−26	30	22	2.41	—	0.67	17	14	..	..	..
Mountain Park	.....	.....	.....	.....	.....	..	.....	.....	.....	.....	.....	.....	.....	.....	..	..	..	..	..
Athabasca River																			
Athabasca Landing	54 43	113 17	1650	15	+ 4	15	36	4	−22	13	21	0.62	+0.19	0.25	3	28	..	..	1
Edson	53 33	116 25	.....	.....	.....	..	.....	.....	.....	.....	..	.....	.....	.....	..	..	..	..	..
Jasper	52 53	118 9	.....	.....	.....	..	.....	.....	.....	.....	.....	.....	.....	.....	..	..	..	..	..
Pembina	54 12	114 9	.....	.....	.....	..	.....	.....	.....	.....	.....	.....	.....	.....	..	..	..	..	..
Wabasca	56 2	114 0	1720	15	—	1	40	7	−12	13	18	0.68	—	0.30	6	25	3	..	1
Peace River																			
Beaver Lodge	55 20	119 24	.....	15	—	9	42	5	−22	10	23	0.30	—	0.26	2	29	1	..	..
Dunvegan	55 56	118 38	1306	.....	.....	..	.....	.....	.....	.....	.....	.....	.....	.....	..	..	..	..	..
Fort Vermilion	58 27	116 3	.....	0	− 1	10	35	4	−35	16	24	—	—	—	—	—	7	..	..
Fort Vermilion (2)	58 21	115 33	.....	−1	− 2	10	34	4	−38	16	25	0.83	+0.23	0.50	5	26	6	..	1
Grande Prairie	.....		.....	15	—	3	41	2	−11	10	15	—	—	—	—	—	..	..	..
Peace River Crossing	56 15	117 15	.....	.....	.....	..	.....	.....	.....	.....	.....	.....	.....	.....	..	..	..	..	..
SASKATCHEWAN—																			
Qu'Appelle River																			
Brownhill (Grenfell P.O.)	50 23	102 53	1957	14	+ 7	16	37	6	−10	26-30	17	0.92	+0.29	0.50	3	28	1	..	3
Buchanan	51 42	102 45	...	6	—	3	34	7	−19	14	17	0.44	—	0.13	6	25	..	..	..
Caron	50 28	105 53	1841	—	—	1	50	3	—	...	—	0.88	—	0.45	5	26	..	..	..
Crescent Lake	50 59	102 25	1658	7	0	12	36	7	−18	31	19	0.53	−0.38	0.20	7	24	1	..	6
Estevan	50 59	103 4	1858	13	+ 2	16	37	6	—	.....	—	0.40	−0.32	0.10	4	27	..	..	3
Fort Qu'Appelle	50 47	103 47	2115	10	—	4	41	6	−22	30	20	1.01	—	0.20	7	24	..	..	..
Gladwin	51 19	103 8	2000	.....	.....	1	.....	.....	.....	.....	.....	.....	.....	.....	..	..	..	..	..
Hubbard (Drumagee)	51 5	103 24	.....	8	—	8	35	7	−17	30	16	1.00	—	0.30	23	8	..	..	..
Humboldt	50 12	105 9	.....	11	—	10	41	6	−15	30	16	0.21	—	0.10	5	26	..	..	4
Imperial	51 22	105 23	.....	8	—	6	38	6	−22	31	20	0.30	—	0.20	2	29	..	..	..
Indian Head	50 28	103 40	1924	10	+ 2	24	39	6	−18	30	10	1.10	+0.39	0.30	5	26	..	..	..
Kamsack	51 30	101 52	.....	.....	.....	..	.....	.....	.....	.....	.....	.....	.....	.....	..	..	..	..	..
Manor	49 43	102 2	2064	7	—	3	32	8	−24	29	18	—	—	—	—	29	..	..	..
Moose Jaw	50 21	105 35	1759	16	+ 4	21	51	3	−18	30	23	1.03	+0 42	0.30	10	21	..	..	..
Muenster (St. Peter's Mon.)	50 0	105 0	1870	9	+ 1	10	33	6-9	−20	26	20	0.57	+0.17	0.48	3	28	..	..	..
Pense (Gatesgarth.)	50 20	105 0	1879	12	+ 3	17	41	6	−18	29	18	0.18	−0.20	0.18	1	30	..	..	..
Pilger	52 25	105 9	.....	7	—	5	33	5	−23	26	21	1.09	—	0.43	6	25	..	..	..
Qu Appelle	50 30	103 47	2115	13	+ 3	31	42	6	−16	30	16	0.96	+0.35	0.26	8	23	..	..	2
Regina	50 27	104 37	1885	10	+ 2	30	38	6	−20	30	17	0.45	+0.09	0.30	6	25	..	..	1
Stoney View	51 29	103 4	.....	.....	.....	..	.....	.....	.....	.....	.....	.....	.....	.....	..	..	..	..	..
Whitewood	50 18	102 15	.....	9	—	2	37	6	−20	31	13	0.90	—	0.40	4	27	..	..	5
Yellow Grass	49 49	104 9	1889	11	—	5	40	6	−21	30	19	0.82	—	0.30	6	25	1	..	3
Yorkton	51 11	102 29	1633	8	—	6	37	7	−16	31	17	0.20	—	0.20	1	30	..	..	..
S. Saskatchewan River																			
Assiniboia	49 42	105 58	2450	21	—	1	52	3	−20	30	20	0.80	—	0.40	4	27	..	..	..
Cabri	50 35	108 25	2200	21	—	1	54	3	−13	30	21	0.25	—	0.25	1	30	..	..	..
Chaplin	50 26	106 39	2202	15	+ 5	31	48	4	−16	31	22	0.65	+0.14	0.28	5	26	..	..	..
Crane Lake	50 1	109 10	.....	.....	—	1	.....	.....	.....	.....	.....	.....	—	.....	..	..	..	..	..
Govenlock	49 3	109 52	2734	18	—	1	54	21	−23	30	32	0.22	—	0.20	2	29		..	1
Kindersley	51 28	109 9	.....	.....	.....	..	.....	.....	.....	.....	..	.....	.....	.....	..	..	..	..	..
Klintonel (Divide)	49 38	108 53	3500	19	—	7	47	3	− 9	29	19	0.70	—	0.40	6	25		..	..
Larchmount (Pambrun)	49 21	109 29	2500	20	—	5	47	3	− 5	28	25	0.75	—	0.35	5	26	..	..	1
Nashlyn	51 46	108 10	.....	16	—	4	47	3	−23	31	28	0.25	—	0.20	2	29	..	..	1
Outlook	51 28	107 5	.....	14	—	1	47	3	−15	30	23	—	—	—	—	—		..	..
Prelate	50 53	109 8	.....	.....	.....	1	.....	.....	.....	.....	.....	.....	.....	.....	..	..	..	..	..
Rathmullen	51 20	108 57	.....	16	—	6	43	4	−17	31	20	0.20	—	0.20	1	30	..	..	
Shaunavon	49 37	108 22	.....	21	—	1	55	3	−11	31	17	0.40	—	0.40	1	30	..	..	1
Swift Current	50 20	107 45	2430	20	+ 2	29	54	3	−10	30	19	1.31	+0 59	0.40	12	19	..	..	..
Wapashoe	50 4	109 19	2400	21	—	4	54	5	−21	30	21	0.47	—	0.10	7	24	..	..	..
Willow Bunch	49 24	105 38	.....	.....	.....	1	.....	.....	.....	.....	.....	.....	.....	.....	..	..	..	..	..
N. Saskatchewan River																			
Anglin	51 46	108 10	.....	14	—	3	47	3	−19	31	22	0.32	—	0.20	3	28		..	3
Battleford	52 41	108 20	1620	11	+ 4	25	40	6	−13	30	16	0.20	−0.19	0.10	3	28	..	..	..
Lloydminster	53 18	110 0	.....	13	—	8	39	4	− 8	30	20	—	—	—	—	—		..	..
Luseland	52 5	109 34	.....	12	—	6	45	3	−15	31	21	0.30	—	0.10	4	27	..	..	6
Onion Lake	53 52	109 59	.....	10	—	10	34	23	−10	31	18	—	—	—	—	—		..	..
Prince (Meota)	51 0	108 20	1700	6	—	9	31	22	−21	26	19	0.77	—	0.70	2	20	2	..	3
St Walburg	53 36	109 9	.....	8	—	4	31	21	−15	29	18	0.47	—	0 25	3	28	..	..	..
Scott (Ex. Farm)	51 69	109 30	.....	12	—	5	38	3	− 14	26	10	0.10	—	0.05	2	29	..	..	..
Waseca	53 6	109 29	.....	11	—	9	35	3	−11	12	17	0.20	−0.41	0.10	2	29	3	..	..
The Saskatchewan Forks																			
Halevonia	52 30	107 5	1800	7	—	2	30	6	−18	30	17	0.70	—	0.40	3	28	..	..	..
Macdowall	53 2	106 0	1540	5	—	1	32	8	−22	17	22	0.58	—	0.16	5	26	..	..	..
Melfort	52 47	104 30		8	+ 1	12	34	6	−17	30	18	0.40	−0.03	0.20	2	29	..	..	1
Prince Albert	53 10	106 0	1432	8	+ 5	31	32	7	−20	30	17	1.15	+0.39	0.70	8	23	..	..	..
Rosthern	52 40	106 20	1657	7	—	6	28	6	−21	30	16	0 82	—	0.75	3	28	..	..	..
Saskatoon	52 15	106 30	1571	10	+ 2	15	36	6	−16	30	17	0.72	+0.22	0.30	5	26		..	3
Saskatoon (Univ. Sask.)	52 8	106 38	1690	10	+ 2	1	37	6	−17	31	17	0.22	−0.28	0.18	2	29	..	..	3
Lower Saskatchewan River																			
Lost River	63 17	104 21	.....	6	—	5	33	8	−18	30	14	—	—	—	—	—		..	..

TEMPERATURE AND PRECIPITATION AT STATIONS IN THE DOMINION OF CANADA, DEC., 1915.

*Stations not furnished with Registering Thermometers

STATION.	Latitude N.	Longitude W.	Elevation above sea level, in feet	Temperature. Mean.	Difference from average.	No. of observations	Highest	Date.	Lowest.	Date.	Mean daily range	Precipitation. Amount.	Difference from average	Heaviest fall in month	No. of days with .01 or more	No. of fair days	No. of summer.	No. of thunderstorms.	No. of fogs
MANITOBA—	° ′	° ′																	
Qu'Appelle and Assiniboine Rivers																			
Brandon	49 51	99 57	1176	8	+ 3	29	33	7	—28	17	15	0 85	+0.20	0 70	3	28	..	..	3
Cypress River	49 33	99 2	1232	....	....	..	....	..	....	..	..	....	....	....	..	..	..	..	
Hamiota	50 12	100 33	.....	8	—	2	33	7	—20	17	19	1 40	—	0 60	5	26	..	..	1
Hillview	49 55	100 33	1400	6	0	30	33	7	—20	17-28	—	0 80	+0 22	0 40	3	28			
Minnedosa	50 15	99 60	1699	9	0	35	33	7	—22	17	15	0 69	+0.07	0 20	8	23	..	..	6
Ninette	49 24	99 38	1384	10	—	5	36	1-6	—20	17	14	0 80	—	0 30	5	26	..	..	1
Ninga	49 14	99 61	1649	9	—	5	37	6	—19	31	16	—	—	—	—	—	..	..	
Pierson	49 11	101 6	1531	....	....	..	....	..	....	..	..	....	....	....	..	..	..	..	
Portage la Prairie	49 57	98 17	850	....	....	26	....	..	....	..	..	....	....	....	..	..	..	..	
Portage la Prairie (2)	49 56	98 17	.....	....	....	..	....	..	....	..	..	....	....	....	..	..	..	..	
Russell	50 59	101 20	.....	8	+ 3	21	35	17	—15	27	15	—	—	—	—	—	..	..	
St. Alban's (Treesbank)	49 42	99 33	1180	9	+ 3	31	36	6	—28	17	19	1.38	+0.76	0.33	14	17	3		1
Souris	49 37	100 14	.....	9	—	4	35	6	—20	17	15	2 04	—	0 80	7	24		.	1
Swan Lake	49 25	98 45	.....	9	—	1	35	7	—18	27	17	1 35	—	0 40	7	24			
Treherne	49 36	98 40	1212	11	+ 2	20	35	7	—13	17	15	1 25	+0.19	0.35	10	21	2	..	5
Virden	49 51	100 55	1444	....	....	..	....	....	....	..	..	....	....	....	..	..	..	..	
The Red River																			
Altamsippi	49 14	98 20	.....	11	— 2	13	37	16	—22	27	17	1 00	—	0 50	5	26	..	..	2
Giroux	49 26	96 34	875	....	....	..	....	..	....	..	..	....	....	....	..	..	..	..	
Morden	49 11	98 2	958	13	+ 1	12	36	7	—10	14	14	1 60	+0.78	0 60	3	28	1	..	8
Morris	49 22	97 23	773	12	—	1	32	5	—22	27	14	0 60	—	0 25	6	25	..	..	
Oak Bank	49 57	96 46	800	11	+ 5	19	33	6	—22	27	11	1 60	+1 08	0 40	5	23	..	..	
Selkirk	50 9	96 45	.....	....	....	..	....	....	....	..	..	....	....	....	..	..	..	..	
Sprague	49 3	95 37	1085	....	....	1	....	....	....	..	..	....	....	....	..	..	..	..	
Stony Mountain	50 40	97 14	803	9	+ 2	33	33	7	—24	27	18	1 20	—	0 60	5	26	..	..	
Winnipeg	49 53	97 7	760	12	+ 5	41	34	6	—18	27	15	1.69	+0.97	0 40	12	19	..	..	
Winnipeg River																			
Pinawa	50 13	95 55	.....	11	—	1	32	4-7	—19	31	14	1 08	—	0 60	5	26	.	..	..
Dauphin Lake and River																			
Berens River	52 18	97 23	710	5	—	8	33	8	—26	17	15	0 70	—	0 40	2	29	..	..	..
Dauphin	51 8	100 2	957	10	0	10	37	8	—12	17	19	0 90	+0.30	0.40	3	28	.	..	..
Moose Horn Bay (Atikameg ville)	51 15	98 33	810	7	—	6	35	7	—23	27	16	1 64	—	0.70	11	20	4	..	5
Swan River	....	....	.....	..	....	2	..	....	....	....	..	..	....	....	..	..	..	..	..
Lower Saskatchewan River																			
Grand Rapids	53 9	99 17	810	7	—	1	32	6	—21	30	13	0 98	—	0 19	11	20	2	.	1
Le Pas	53 49	101 15	860	6	—	6	32	6-7	—22	26-27	11	0.65	—	0 20	8	23		..	..
ONTARIO—																			
The Lake Superior Districts																			
Rainy River																			
Dryden	49 48	92 52	.....	11	—	2	35	6	—20	20	17	1 85	—	1 00	3	28	..	..	
Fort Frances	48 36	93 25	....	....	....	3	....	....	....	....	..	....	....	....	..	..	..	..	
Ignace	49 21	91 34	.....	10	—	2	32	8	—23	28	17	4 40	—	0 70	14	19	..	..	
Kenora	49 45	94 32	1102	....	....	13	....	....	....	....	..	....	....	....	..	..	..	..	
Mine Centre	48 44	92 32	.....	20	—	1	36	25	—12	2	12	2 25	—	0 70	8	23	..	..	
Rainy River	48 47	94 30	.....	....	....	..	....	....	....	....	..	....	....	....	..	..	..	..	
Shoal Lake	49 37	95 6	.....	11	—	1	32	6-7	—24	27	14	0 78	—	0 10	11	20	..	.	..
Sioux Lookout	50 8	91 52	.....	11	—	2	32	7	—21	20	15	1 85	—	0 50	7	24	.	..	
Thunder Bay																			
Heron Bay	48 18	86 16	.....	15	+ 3	17	33	7	—12	15	15	2 25	+0 45	0 70	10	21	..	..	
Kakabeka Falls	48 20	89 26	912	15	—	8	34	7	—20	28	14	2 55	—	0 50	12	19	..	..	
Nipigon	49 0	88 15	.....	16	+ 8	14	37	29	— 5	28	16	2 55	+1 12	0 50	10	21	..	..	
Port Arthur	48 27	89 12	644	19	+ 5	35	37	8	— 6	20	15	1 30	+0 61	0 33	13	18	1	..	
Quorn	49 21	90 54	.....	9	—	1	32	7-8	—20	29	20	1 20	—	0 60	4	27	.	.	..
Rossport	48 53	87 28		20	—	1	38	7	2	14	14	1 80	—	0 40	8	23		..	..
Savanne	48 53	90 18	1506	12	+ 7	14	32	7	—23	15-28	15	1 60	+0.43	0 30	9	22		..	..
Schreiber	48 50	87 16	933	..	....	13	....	....	....	....	....	....	....	....	..	..		..	
Algoma																			
Bisco	47 40	82 11	1333	13	—	3	30	27	—16	30	14	1 72	—	0 58	13	18			
Chapleau	47 48	83 28	....	21	—	3	49	21	—18	30	38	2 40	—	0 40	10	21		.	
Copper Cliff	46 30	80 59	...	18	—	8	33	8	— 7	31	13	0 70	—	0 20	6	25			
Gore Bay	45 52	82 29	....	22	—	1	39	17	2	31	1.	0 45	—	0 20	3	28	.		
Porcupine	48 29	81 18	1252			5												..	
Providence Bay	45 40	82 14	.....	23	—	5	41	1-12	4	31	12	—	—	—	—	—			
Ruel	47 18	81 26	.	12	—	1	28	1	—15	30	7	2 50	—	0 50	13	18			1
Searchmont	46 40	84 1		22	—	1	45	1	— 9	15	26	1 50	—	0 80	5	26		.	
Tunnins (Wawaitin Falls)	48 40	81 30	885	12	—	3	29	18	—21	30-31	16	2 38	—	0 40	16	15	2	..	
Turbine	46 18	81 35	685	16	—	2	34	18	— 7	30-31	17	0 85	—	0 31	7	24		.	
White River	48 35	85 16	1248	11	+ 3	25	31	30-31	—18	-4	21	1 80	+0 01	0 60	11	20		..	
Nipissing																			
Cochrane	49 2	81 0	946	12	—	4	27	27	—16	30	13	3 40	—	0 50	13	18		.	1
Haileybury	47 29	79 39	687	16	+ 5	24	34	27	—11	30	14	2 24	—0 01	0 33	11	1	1	..	
Iroquois Falls	48 45	80 40	850	11	—	3	34	13	—21	29	12	3 63	—	0 55	25	6		..	
Madawaska	45 30	77 52	1035	17	—	1	35	1-23	—19	30	17	2 82	—	0 80	8	23		..	
Montreal River	47 8	79 29	..	....	....	5													
North Bay	.		...	17	—	1	35	8	—10	26	13	3 00	—	0 65	12	19		..	
Sturgeon Falls			...	18	—	1	41	8	— 5	25	15	0 50	—	0 22	3	8			
Upper Ottawa River																			
Rutherglen (Lake Talon)	46 18	74 48		17	+ 3	21	35	24	—12	31	14	1 60	—0 80	0 30	9	22	1		
Stonecliff (Rockliffe)	46 9	78 6	557	17	+ 2	26	32	24-27	—11	31	14	1 94	—0 35	0 40	14	17	..		

TEMPERATURE AND PRECIPITATION AT STATIONS IN THE DOMINION OF CANADA, DEC., 1915.

* Stations not furnished with Registering Thermometers.

STATION	Latitude N.		Longitude W.		Elevation above sea level in feet.	TEMPERATURE Mean.	Difference from average.	Yr's Observations	Highest	Date.	Lowest	Date	Mean daily range.	PRECIPITATION Amount	Difference from Average.	Heaviest fall in month.	Days with .01 or more.	No. of fair days.	No. of AURORAS.	No. of thunderstorms.	No. of fogs.
ONTARIO—Continued—																					
Upper St. Lawrence and Lower Ottawa Rivers	°	′	°	′																	
Alnonte	45	12	76	13	300	20		4	37	1	—15	31	14	3 39	—	0 70	10	21	..	..	..
Bloomfield	43	59	77	21	260	25	— 1	16	40	26	2	31	13	2 39	—0 25	0 66	7	24	..	..	1
Brockville	44	33	75	40	.....	22	+ 3	10	48	19	— 3	31	14	2 05	—1 17	0 93	4	27	..	..	..
Chesterfield	.....	..	72	22	.....	18	0	21	35	18	—15	31	17	2.76	+0.40	1.00	12	19	1	..	3
Hillier	44	0	.....			26	—	4	47	24	2	31	12	3.25	—	0 70	11	20	..	..	..
Kingston	44	13	76	29	285	26	+ 2	41	41	25	6	31	14	2.99	+0.15	0 82	17	14	..	..	2
Montague	44	56	75	57	.....	.....	.....	6	.....	.....	.....	.....	.....	.....	.....	.....	..	..	..	..	..
Morrisburg	44	56	75	12	.....	22	—	3	41	25	— 7	31	13	5.27	—	1.40	10	21	..	..	..
North Gower	45	8	75	43	.....	.....	.....	13	.....	.....	.....	.....	.....	.....	.....	.....	..	..	..	..	..
Ottawa	45	26	75	42	294	21	+ 4	33	37	1	— 9	31	13	4 88	+2.17	0 82	14	17	..	..	..
Ottawa Exp. Farm	.....	..	.....		.....	21	—	1	37	1	— 8	31	13	4 21	—	0.75	13	18	..	..	..
Pembroke	45	38	77	11	.....	19	+ 3	20	36	28	—17	31	14	2.68	—0.05	0.90	13	18	..	..	..
Renfrew	46	26	76	39	416	19	+ 3	26	38	1	—20	31	13	2 98	+1 72	0 90	9	22	..	..	2
Georgian Bay Counties																					
Barrie	44	23	79	41	839	23	1	49	38	1	— 2	31	13	3 79	+0 86	0.82	20	11	1	..	1
Beatrice	45	8	79	20	600	20	+ 1	40	36	18	— 8	31	15	4.27	—0.24	0.05	12	19	..	..	..
Big Chute (Buckskin P.O.)	44	42	79	38	655	21	—	3	56	1	— 9	31	14	0.25	—	0.11	4	27	..	..	..
Coldwater	44	38	79	40	600	20	— 1	28	37	16	—13	31	14	2.55	—1 17	0 88	14	17	..	..	..
Collingwood	44	31	80	2	.....	25	0	23	46	9	2	12	11	2.29	—	0.60	12	19	..	..	..
Gravenhurst	44	54	79	20	770	20	1	45	37	1	— 9	31	16	3.84	—0 10	0 40	12	19	..	..	1
Huntsville	45	19	79	8	.....	20	—	0	16	35	17-23	—10	31	12	—	—	—	—	..	..	..
Markdale	44	19	80	38	.....	21	—	4	35	2-23	— 1	31	12	3.64	—	1.20	12	19	..	..	..
Meaford	44	36	80	36	.....	24	— 1	14	38	2-24	4	22	12	2.75	—0.76	0 70	11	20	..	..	..
Orillia	44	37	79	24	775	23	— 0	24	39	2	— 2	31	14	2.00	—2 70	0 80	5	26	..	..	..
Owen Sound	44	34	80	55	597	28	+ 3	30	51	3	4	14	18	3.15	—1 55	0 70	8	23	..	..	..
Parry Sound	45	19	80	0	635	21	0	39	39	1	— 2	31	14	2 90	—1.76	0 65	16	15	..	..	..
Ronville	45	16	78	57	1038	20	—	8	35	17-23	—10	30	13	0.70	—	0 30	4	27	..	..	..
Sundridge	45	49	79	19	.....	.....	.....	2	.....	.....	.....	.....	.....	.....	.....	.....	..	..	..	..	..
Tobermory	45	12	81	34	.....	27	—	2	39	17	—13	13	8	2.77	—	0.55	8	23	..	..	..
Walkerton	44	16	81	18	.....	23	—	1	36	1-31	— 1	30	13	3 97	—	0 86	13	18	..	..	..
Lake Huron Counties																					
Arkona (Birnam)	.....	..	.....		.....	.....	.....	31	.....	.....	.....	.....	.....	.....	.....	.....	..	..	..	..	..
Brucefield (Clinton)	43	32	81	37	.....	25	0	13	38	18	0	31	11	3.39	+0 09	0 70	17	14	..	..	..
Lucknow	43	56	81	30	908	24	— 3	30	36	17	— 1	30	12	2.86	—1.42	0 35	20	11	..	..	1
North Bruce	44	23	81	25	.....	26	0	27	37	17	8	30	—	1.94	—1 28	0 40	18	19	..	..	..
Ridgecrest (Goderich)	43	45	81	41	728	26	— 1	25	39	18	10	22	9	3 00	+0.40	0 50	12	19	..	..	..
Southampton	44	30	81	21	656	30	+ 1	39	38	8	6	31	10	4 31	+0 56	1 45	22	9	..	..	..
Lakes St. Clair & Erie, Niagara Peninsula																					
Chatham	42	23	82	12	595	28	0	20	43	17	12	29	11	2.17	+0 35	0 70	6	25	..	..	..
Cottam	42	7	82	45	606	28	— 2	28	48	10 11	0	28	16	2.85	+0 22	0 60	6	25	..	..	2
Dutton	42	40	81	32	.....	25	—	3	41	17	8	29	14	3.07	+0 63	1 00	10	21	..	..	..
Grimsby	43	13	79	36	.....	29.	—	6	44	17	11	30	10	3 38	—	0 67	10	21	..	..	..
Pelee Island	41	50	82	35	585	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	..	..	..	..	..
Port Burwell	42	39	80	55	592	28	— 1	12	40	17	7	31	10	2.78	+0.35	1 00	6	25	..	..	..
Port Dover	42	27	80	13	635	25	— 3	49	39	23	9	30	11	4 17	+1.20	0 84	15	16	..	..	..
Port Stanley	42	40	81	13	592	27	1	31	48	23	7	31	12	3 50	+0 42	0 86	18	13	..	..	..
St. Catharines	43	9	79	17	347	31	—	6	48	17	16	30	10	—	—	—	—	—	..	..	..
Stoney Creek	43	13	79	45	292	28	— 2	31	49	23	5	31	11	1.94	—1 15	0 37	10	21	..	..	..
Wellaceburg	42	35	82	24	.....	28	— 1	10	46	17	9	28	12	1.81	+0.55	0 45	8	23	..	..	..
Welland	42	59	79	17	577	28	+ 1	29	45	17	1	31	11	2 04	—1 72	0 68	6	25	..	..	..
Wiedsor	42	20	83	4	605	..	.....	42	.....	.. ..	.....	....	..	.....	.....	.....	..	..	..	..	..
West-Central Counties																					
Alton	43	51	80	5	1250	21	2	29	37	18	— 5	31	13	2.58	+0 20	1.75	12	19	..	..	..
Berlin	43	24	80	27	.....	24	—	2	38	18	— 2	31	11	2.75	—	0.50	13	18	..	..	1
Brantford	43	10	80	21	750	.....	.....	33	.....	.....	.....	.....	.....	.....	.....	.....	..	..	..	..	..
Elora	43	41	80	24	1274	23	— 1	19	36	17	— 4	31	11	2 50	—0 41	0 60	11	20	..	..	..
Guelph	43	33	80	16	1050	24	0	30	38	17	1	31	11	3 19	+0.85	0.80	11	20	..	..	..
Listowel	43	44	80	58	1262	22	1	15	36	6-17	1	30	13	1 50	—1.37	0 80	4	27	..	..	..
London	42	59	81	13	808	25	2	31	37	23	2	31	11	4 16	+0 65	0.94	16	15	..	..	1
Lucan	43	13	81	27	.....	25	—	1	40	17	2	31	12	4.32	—	0 60	19	12	..	..	..
Mount Forest	43	57	80	45	.....	23	0	8	37	17 26	0	31	13	2.33	—0.99	0.55	14	17	..	..	1
Paris	43	12	80	25	840	26	0	26	38	18	— 4	31	9	3 13	+0.66	0 44	11	20	..	..	..
Stratford	43	23	81	0	1191	24	+ 1	42	40	17	0.	31	13	4 68	+0 93	0 80	16	15	..	..	..
Woodstock	43	8	80	47	980	25	1	13	40	17	— 1	31	11	2 38	—2 59	0 95	9	22	..	..	1
Lake Ontario Counties																					
Agincourt	43	47	79	16	590	25	+ 1	21	39	1 17	3	31	11	2.60	+0.28	0 82	11	20	..	..	..
Aurora	43	57	79	29	886	22	—	8	35	8	— 7	31	12	2.44	+0.34	0 80	8	23	..	..	1
Georgetown	43	38	80	2	.....	24	—	2	38	17	1	31	11	2.72	—0.09	0 40	15	16	..	..	..
Hamilton	43	16	79	54	303	28	+ 1	42	39	8-23	7	31	8	1.00	—0 10	0 70	5	26	..	..	..
Oshawa	43	53	78	52	331	24	0	41	39	2-23	1	17	12	1.87	—0 39	0 40	8	23	..	..	..
Toronto	43	40	79	24	350	28	0	75	41	17	10	31	11	2.52	—0.09	0.64	13	18	..	..	..
Toronto Is. (Lakeside Home)	43	37	79	25	.....	29	0	11	41	8-23	10	31	11	—	—	—	—	—	..	..	..
Uxbridge	44	5	79	8	886	22	1	11	37	17	— 7	31	11	2.30	+0 45	0.70	9	22	..	..	..
Wexford	43	44	79	17	555	24	—	4	36	1-23	1	15-31	11	2 36	—	0 40	10	21	..	..	..

TEMPERATURE AND PRECIPITATION AT STATIONS IN THE DOMINION OF CANADA, DEC. 1917

*Stations not furnished with Registering Thermometers

STATION	Latitude	Longitude	Elevation above sea level, in feet	Temperature: Mean	Difference from average	Yrs Observations	Highest	Date	Lowest	Date	Mean daily range	Precipitation: Amount	Difference from average	Heaviest fall in month	Days with .01 or more	No. of fair days	No. of auroras	No. of thunderstorms	No. of fogs
East-Central Counties	° ′	° ′																	
Bancroft	45 1	77 50	.....	18	0	26	35	18	—19	30	15	—	—	—	—	—	..	..	..
Haliburton	45 1	78 28	1050	21	+ 2	28	36	1-24	—13	22	17	—	—	—	—	—	..	..	..
Kinmount	44 45	78 38	920	16	— 3	16	35	1	—18	30	21	2.05	+0.65	0.40	11	20	..	..	..
Lakefield	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	..	..	..
Lindsay	44 20	78 46	872	21	0	36	40	3	— 9	31	17	1.61	—2.86	0.30	15	16	..	..	2
Norwood	44 24	77 57	.....	21	—	4	37	2	— 3	31	15	1.30	—	0.60	6	25	..	..	..
Peterboro'	44 17	78 19	722	22	+ 1	47	39	1	—10	31	17	1.97	—0.67	0.55	8	23	..	..	..
Queensboro'	.....	.....	.....	21	—	2	37	2	—15	31	17	3.10	—	0.70	6	25	1	..	..
Quebec—																			
Middle St. Lawrence																			
Bark Lake Depot	46 30	75 20	.....	20	—	2	38	1	—28	30	3	2.00	—	0.60	9	22	..	..	..
Beauceville	46 11	70 48	557	20	—	2	40	1	—18	31	10	2.55	—	0.73	9	22	..	..	1
Bronte	45 10	72 36	678	22	+ 4	35	47	25	—10	31	13	2.05	—0.01	0.90	3	28	..	..	..
Cap Rouge	46 46	71 18	.....	21	—	5	40	5	— 3	31	11	2.43	—	0.60	13	18	..	..	..
Cedars Rapids	45 21	74 5	132	22	—	3	38	24	0	31	9	—	—	—	—	—	..	..	..
D'Israeli	45 55	71 21	896	18	—	6	40	25	—17	31	18	3.90	—	0.40	13	18	..	..	..
Drummondville	46 50	72 30	.....	21	—	3	40	24	— 7	31	12	1.97	—	1.27	3	28	..	..	1
Huberdeau	45 59	74 41	900	19	—	3	35	18-24	—14	31	14	3.09	—	0.92	9	22	..	..	1
Huntingdon	45 5	74 10	.....	21	—	3	44	25	—13	29	15	4.20	—	1.44	9	22	..	..	..
Joliette	46 2	73 23	.....	21	—	2	38	20-24	—11	31	15	1.76	—	0.85	4	27	..	..	..
Lake Megantic	45 35	70 53	1314	20	—	2	45	26	0	13-31	13	6.38	—	1.30	17	14	..	..	..
Lambton	45 52	71 5	.....	21	—	1	40	26	0	30	13	5.18	—	0.68	16	15	..	..	..
Lennoxville	45 26	71 57	.....	23	—	1	42	25	0	12	12	2.93	—	1.10	8	23	..	..	..
MacDonald College (Ste. Anne de Bellevue)	45 27	73 59	.....	23	+ 3	10	36	23-28	3	30	10	1.50	—0.33	0.50	5	26	..	..	..
Magiwaki	46 22	76 0	.....	16	—	2	53	1	—15	31	0	4.32	—	1.76	6	25	..	..	..
Montreal	45 30	73 35	187	24	+ 5	41	30	26	5	31	10	3.78	—0.04	0.92	16	15	..	..	1
Nicolet	46 15	72 36	.....	23	—	4	38	31	7	12	12	2.02	—	0.60	9	22	..	..	..
Nominingue	46 27	75 0	.....	21	—	3	39	5	—12	30	10	3.02	—	1.70	6	25	..	..	..
Quebec	46 48	71 13	296	21	+ 6	41	38	5	— 3	31	11	3.64	+0.46	0.89	15	16	1	..	1
Sorel	46 2	73 6	.....	.....	.....	2	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	..	..	..
St. Lin	45 43	73 47	.....	18	—	3	35	1-6	—18	31	18	3.10	—	1.50	5	26		..	..
Shawbridge	45 54	74 3	.....	18	—	4	34	27	—13	31	18	1.30	—	0.30	7	24		..	..
Shawinegan Falls	46 34	72 43	.....	18	+ 6	14	35	26	—10	31	10	3.40	+0.56	1.10	8	23		..	..
Sherbrooke	45 24	71 53	620	22	+ 4	13	42	25-26	—11	31	11	3.29	—0.16	1.15	17	14	..	..	2
Lower St. Lawrence & Gulf																			
*Anticosti E. Pt.	49 6	61 42	30	.....	.....	32	..	.....	.....	.....	.....	.....	.....	.....	..	..	..	..	..
Anticosti, S.W. Pt.	49 24	63 33	.....	.....	.....	35	..	.....	.....	.....	.....	.....	.....	.....	..	..	..	..	..
*Anticosti, W. Pt.	49 52	64 32	30	.....	.....	34	..	.....	.....	.....	.....	.....	.....	.....	..	..	..	..	..
*Bequet	48 25	65 52	.....	25	—	34	36	25	6	31	—	2.25	—	0.50	20	11	..	..	1
*Cape Chatte	49 6	66 45	.....	24	+ 5	34	35	3	9	31	—	2.60	—	0.80	8	23	..	..	1
*Caps Magdalen	49 16	65 20	93	29	+11	34	37	14	15	31	—	4.10	—1.31	1.00	18	13	..	..	2
Cau-apscal	48 21	67 12	450	22	—	3	37	14	—12	31	10	4.20	—	2.26	8	23	..	..	..
Father Point	48 31	68 19	20	24	+ 8	36	36	15	6	31	8	3.27	+0.21	0.44	17	14	..	..	..
Harrington Harbour	50 40	59 19	.....	.....	.....	5	.....	.....	.....	.....	.....	.....	.....	.....	..	..	..	..	..
La Malbaie	47 40	70 10	.....	23	—	1	39	25	9	31	11	1.15	—	0.60	5	26	..	..	..
Natashquan	50 8	61 48	.....	21	—	2	39	27	— 4	24	12	3.41	—	1.55	10	21	..	..	..
Ste Anne de la Pocatiere	47 22	70 2	65	21	—	5	35	1	—10	31	11	2.25	—	0.50	10	21	..	..	..
Seven Falls (St. Fércol)	47 8	70 51	.....	17	—	1	36	5	—21	31	10	3.61	—	1.00	6	25	..	..	..
Tadousac	48 10	69 47	.....	22	—	3	35	1-7	1	30-31	17	3.96	—	1.20	12	19	..	..	..
Lake St. John																			
Chicoutimi	48 25	71 5	150	17	+ 8	36	32	25	—23	31	10	2.19	—0.38	0.50	12	19	1	..	..
Chicoutimi (2)	48 25	71 5	.....	19	—	5	33	4-5	—8	27	9	1.95	—	0.80	8	23	..	..	..
Mistassini	48 51	72 15	360	18	—	4	35	1	—25	31	13	3.17	—	0.70	17	14	2	..	..
Roberval	48 31	72 13	352	15	—	9	32	1	—20	30	13	3.52	—	0.90	12	19	..	..	..
St. Joseph d'Alma	48 48	71 44	.....	16	—	1	35	1	—31	31	12	3.05	—	0.63	10	15	..	..	..
Upper St. Maurice																			
La Loutre Rapids	48 23	74 18	1288	12	—	4	28	1-24	—27	31	14	2.80	—	0.41	16	15	..	..	..
Lake Edward	47 30	72 15	1233	.....	.....	5	.....	.....	.....	.....	.....	.....	.....	.....	..	..	..	..	..
La Tuque	47 27	72 48	520	17	—	5	34	1	—23	31	13	3.28	—	1.23	15	16		..	1
The Northwestern Districts																			
Abitibi Post	48 33	79 22	.....	11	+ 2	20	27	27	—23	30	17	1.65	—0.37	0.30	9	22	..	..	1
Amos	48 36	78 7	.....	12	—	3	26	1	—22	30	11	3.50	—	0.30	24	7	..	..	..
Mistassini Post	50 15	73 55	1255	9	—	1	29	4	—28	31	15	2.20	—	0.45	16	15	..	..	2
Quinze Dam	47 34	79 16	.....	16	—	1	38	1	—14	31	18	1.92	—	0.40	16	15	..	..	..
Timiskaming	46 44	79 7	.....	17	—	3	32	1	0	1	7	2.08	—	0.95	4	27	..	..	..
Ville Marie	47 55	79 25	.....	14	—	3	33	1	—18	29	2	1.40	—	0.40	6	25		..	..
New Brunswick—																			
Chatham	47 3	65 29	21	27	+ 8	11	48	26	8	31	11	4.35	+1.17	0.88	18	13	..	..	..
Dalhousie	48 4	66 22	39	25	+ 9	40	42	1	6	31	9	3.80	+1.05	1.20	9	22	..	..	..
Edmundston	47 22	68 17	.....	24	—	2	43	1	—10	31	25	2.40	—	1.00	5	26	..	..	1
Fredericton	45 57	66 38	164	25	+ 6	40	49	26	1	16	12	3.88	+0.43	1.07	12	19	..	..	..
Fredericton (Exp. Farm)	45 8	66 42	108	25	—	3	47	26	3	13	1	4.54	—	1.10	10	21	..	..	..
Grand Falls	47 2	67 44	.....	24	—	3	48	25	9	30	12	1.94	—	0.54	8	23	..	..	..
Moncton	46 9	64 45	50	27	+ 5	18	49	25-26	6	12	13	4.00	+1.29	1.60	7	24	..	..	2
*Point Lepreaux	45 4	66 28	30	30	+ 4	37	43	18	12	30	—	4.07	+1.42	1.73	6	25	..	..	5
St. John	45 17	66 4	70	28	+ 4	43	50	26	8	31	1	4.96	+0.93	1.94	16	15	..	..	2
St. Stephen	45 11	67 16	35	.....	.....	17	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	..	..	..
Sussex	45 38	65 38	69	27	+ 8	18	50	26	3	13-31	14	2.68	—0.66	0.78	4	27	..	..	..
Williamsburg	46 20	66 43	.....	23	—	4	47	19	0	31	15	4.58	—	0.92	11	20	..	..	..
Woodstock	46 9	67 30	.....	.....	.....	2	.....	.....	.....	.....	.....	.....	.....	.....	..	..	..	..	..

TEMPERATURE AND PRECIPITATION AT STATIONS IN THE DOMINION OF CANADA, DEC., 1915.

*Stations not furnished with Registering Thermometers.

STATIONS	Latitude		Longitude		Elevation above sea level, in feet	Temperature: Mean	Difference from average	Yr's Observations	Highest	Date	Lowest	Date	Mean daily range	Precipitation: Amount	Difference from average	Heaviest fall in month	Days with 0.1 or more	No. of fair days	No. of aurora	No. of thunderstorms	No. of fogs
NOVA SCOTIA—	°	′	°	′																	
Advocate	45	19	64	46	...	...	...	4	...	...	...	...	...	...	...	...	...	...	...	...	...
Annapolis Royal	44	45	65	36	...	31	—	2	57	18	10	31	9	9.08	—	3.00	16	15	..	..	3
Antigonish	45	38	61	59	50	33	—	6	52	26	4	24	15	—	—	—	—	—	..	..	..
Baddeck	46	8	60	46	...	...	...	..	...	...	...	...	...	...	...	...	..	..	..	..	..
Berwick	45	5	64	50		...	...	2		...	...	...	...	...	...	...	..	..	..	..	..
Bridgetown	43	49	65	16	20	31	—	7	56	6	6	3-31	12	4.54	—	1.18	6	25	..	..	1
Digby	44	32	65	38	..	32	+ 5	24	58	19	13	31	11	6.14	+2.99	2.50	14	17	..	..	..
Halifax	44	39	63	36	88	29	+ 3	41	52	19	11	31	11	5.76	—0.07	1.15	20	11	..	..	..
Kentville	45	3	64	36	40	26	—	4	49	26	— 1	31	9	5.13	—	1.64	10	21	..	..	1
Kentville Exp. Farm	...	...	...	...	...	29	—	3	54	26	6	31	10	3.87	—	1.14	15	16	..	..	..
Liverpool	44	0	64	40	56	34	—	3	57	25	8	31	14	7.43	—	1.13	14	17	..	..	..
Lochaber	45	26	62	0	...	32	—	1	52	19-24	9	23	12	5.79	—	2.22	13	18	..	..	..
Middleton	44	57	65	3	...	30	—	2	55	19	— 5	23	13	9.58	—	3.50	16	15	..	..	..
Nappan	45	46	64	34	...	29	—	3	52	26	6	13	10	4.76	—	1.00	11	20	..		1
New Germany	44	30	64	42	...	31	—	4	56	18	4	31	9	5.39	—	1.32	8	23	..	..	..
Parrsboro'	45	23	64	19	40	29	+ 5	18	51	27	8	13	14	5.98	+2.34	1.59	13	18	..	..	..
*Sable Island, E Pt	43	58	59	46	25	...	...	32	...	..	..	...	..	...	..	..	..	..	..	..	..
Sable Island (Main Station)	43	57	60	6	25	37	+ 1	25	49	19-26	24	31	7	5.58	+0.19	0.62	21	10	..	..	..
Sydney	46	10	60	10	35	33	+ 4	42	51	26	9	24	10	5.84	+0.15	1.20	14	17	..	..	1
Truro	45	22	63	18	77	30	+ 5	43	52	26	6	13	10	4.29	—0.38	1.00	11	20	..	..	..
Truro (2)	45	25	63	15	...	...	..		..	..	..	..		...	...	..	..	..	..	..	..
Whitehead	45	15	61	8	20	33	+ 2	32	45	2	20	13-31	8	—	—	—	—	.	..	..	1
Windsor	44	59	64	6	90	31	+ 4	13	54	27	4	31	10	4.08	+0.06	0.79	13	18		..	..
Wolfville	45	7	64	20	135	30	+ 3	16	55	19	8	31	12	5.34	+1.31	0.96	23	8		..	..
Yarmouth	43	50	66	2	65	33	+ 2	35	52	18	17	31	10	4.77	—0.02	1.31	15	16		..	..
P. E. ISLAND—																					
Charlottetown	46	14	63	10	38	31	+ 6	40	48	26	15	16	8	5.06	+1.32	1.10	18	13	..	..	..
Charlottetown (Exp. Farm)	46	14	63	7	75	30	—	6	50	26	11	31	11	7.35	—	1.77	16	15	..	..	..
NEWFOUNDLAND—																					
*Armour Point	51	28	56	51	...	...	—	..	...	...	...	...	...	...	...	...	..	.	..	..	..
Burin	47	0	55	10	27	34	—	7	46	5-19	20	29-30	11	7.36	—	1.22	18	13		..	..
*Cape Norman	51	38	55	52	...	18	+ 1	31	35	5	7	27-31	—	2.10	—0.53	0.50	6	25	..	..	..
Fogo	49	43	54	17	30	...	...	..	...	...	...	...	...	...	...	...	..	..	..	..	..
*Point Riche	50	42	57	25	35	29	+ 7	31	42	26-27	11	20	—	—	—	—	—	—	..	..	1
Port aux Basques	47	35	59	10	27	32	—	7	47	4	18	31	7	5.09	—	1.01	21	10	..	..	2
St George's	48	28	58	25	21	32	—	28	45	4	16	29-30	12	2.29	—	0.48	19	12	..	..	1
St John's	47	34	52	42	125	35	+ 8	42	49	15	18	30	7	5.45	+0.01	1.18	12	19		..	..
BERMUDA—																					
Prospect	32	17	64	46	151	62	— 3	24	71	21	49	7	10	2.88	—2.60	0.60	11	20	..	1	..

PRECIPITATION AT STATIONS REPORTING RAIN, SNOW, WEATHER, &c., DURING DEC., 1915.

STATION.	Latitude N.	Longitude W.	Elevation above sea level, in feet.	Total precipitation.	Difference from average.	Year's Observations.	RAINFALL. Amount in inches.	No. of days .01 or over	No. of fair days.	Heaviest fall in month.	Date.	SNOWFALL. Amount in inches.	No. of days.	Heaviest fall in month.	Date.
BRITISH COLUMBIA.	° ′	° ′													
South Vancouver Island—															
Beaver Lake (Royal Oak)	48 30	123 21		7.35	−0.77	21	7 35	17	14	1 61	20				
Deoman's Island	49 31	124 48		12.73	—	8	12 23	19	10	2 73	20	5 0	2	3 0	8
Goldstream Lake	48 27	123 33		13.37	+1 68	19	12 72	23	7	2 41	20	6 6	3	2 6	24-30
Hornby Island	49 30	124 39		12 21	—	8	12 03	21	10	1 56	17	1 8	1	1 8	29
Jordan River	48 23	124 6		4 28	—	8	14 20	22	7	2 45	20	1 8	2	1 3	31
Jordan River (Bear Creek)	48 28	124 0		20 35	—	5	17 22	22	4	2 97	8	31.3	11	6 0	20
Little Qualicum (Fr. Cr. V.I.)	49 21	124 47		8 80	—	7	8 40	15	16	1 75	6-20	4 0	2	3 0	7
Parksville	49 18	124 20		7 26	—	1	7 26	23	8	1 35	20	*	1	*	30
Sandwick	49 45	125 3		12 64	—	1	12 24	22	8	1 85	20	4 0	2	4 0	7-30
Sooke Lake	48 28	123 40		14 90	—	2	14 40	17	12	2.95	20	5 0	4	2 0	30
Stamps Falls (Alberni)	49 18	124 59				1									
North Vancouver Island—															
Twin Island (Cortez)	50 7	124 58				1									
Lower Fraser River—															
Coquitlam	49 16	122 51	34	13 32	+3.82	11	12 87	18	12	1.48	28	4 5	1	4 5	31
Upper Fraser River—															
Alkali Lake	51 47	122 20		0 53	—	5	0.15	1	27	0.15	4	3 8	3	2 5	8
Hydraulic	52 42	122 5				5									
Okanagan Valley—															
Lumby	50 16	118 58				3									
Thompson River—															
Annis (Canoe Point)	50 48	119 4		2 86	—	6	1.27	6	12	0.54	21	15 9	13	4 3	25
Windermere Lake—															
Invermere	50 28	116 3	2650	0.52	—	3	0.15	2	23	4.09	21	3 7	7	1 2	28
West Kootenay—															
Fergusson	50 40	117 29		8 89	—	8	0.40	1	10	0.40	8	8 4	21	1 2	24
Rock Creek	49 4	119 1		1.35	—	4	0.10	2	15	0.08	4	12 5	14	3 0	19
East Kootenay—															
Wycliffe	49 38	115 50				4									
North Coast—															
Naas Harbour	54 56	129 56	20	8.47	−1.11	15	5.42	13	13	0.92	23	30.5	6	10 0	30-31
Queen Charlotte Islands—															
Queen Charlotte City	53 13	133 15		12.76	—	1	12.41	25	4	1.30	26	3.5	2	3 0	30
ALBERTA.															
N. Saskatchewan River—															
Bismark	52 41	113 53		0.21	—	9	0.00	0	30			2 1	1	3 1	9
Battern Lake	53 4	113 0		0 40	—	8	0.00	0	27			4 0	4	2 0	28
Conjuring Creek	53 12	113 47		0.23	—	8	0 00	0	28			2 3	3	1 0	8-28
Dorenlee (Bashaw)	52 41	112 52				8									
Dunstable (Five Lakes)	53 57	114 13		0.29	—	5	0.00	0	24			2 9	7	1 2	9
La Pearl	52 38	110 21				4									
Monitor	52 0	110 29	2180	0 53		1	0 30	1	28	0.30	5	2 3	2	1 3	29
Ponoka	52 40	113 34		0 43		9	0.00	0	28			4 3	3	2 5	20
Royeroft Ranch (Mannville)	53 21	111 1				3									
Red Deer River—															
Nateby	50 58	111 44				4									
Bow and Belly Rivers—															
Beaver Mines	49 28	114 10		1 50	—	3	0.00	0	27			15 0	4	6 0	15
Caldwell	49 10	113 38		1 45	—	5	0 00	0	25			14 5	6	0 0	26
Claresholm	50 2	113 35		0 29	—	3	0.00	0	28			2 9	3	1 0	9-28
Coleman	49 38	114 30		2 07	—	3	0 62	2	25	0 50	8	14 5	4	9 0	25
Cowley	49 40	114 5		0.83	—	3	0.10	1	23	0.10	21	7 3	7	2 8	9
Grassy Lake	49 50	111 18	2652	0 10	−0.30	10	0.00	0	30			1 0	1	1 0	25
Jumping Pound	51 5	114 33		3.45	+0.09	10	0 00	0	28			4 5	2	2 5	9
Lethbridge	49 42	112 51	2961	0 30	—	3	0.05	1	28	0 05	7	2 5	2	2 0	25
Lineham	50 40	114 19		0 88	—	5	0 00	0	29			8 8	2	5 0	25
Lyndon	50 59	113 36		0.75	—	5	0 00	0	27			7 5	4	3 0	29
Macleod	49 44	113 24	3128												
Mayerofft	49 50	114 15		0 99	—	5	0.00	0	24			9 0	7	4 2	21
Mountain View	49 0	113 36		1 40	—	3	0.00	0	27			14.0	4	5 0	25
Nanton	50 21	113 46		0 50	—	4	0.00	0	28			5 0	3	2 0	9-27
Seven Persons	49 53	110 52		0 40	—	5	0 00	0	27			4 0	4	1 5	29
Waterton Mills	49 7	113 42		3.36	—	3	0.71	1	25	0 71	21	26 6	5	8 0	29
Milk River—															
Battle Creek	49 20	110 1				2									
Clarinda	49 1	111 42		0.60	—	3	0 00	0	29			6.0	2	4 0	30

PRECIPITATION AT STATIONS REPORTING RAIN, SNOW, WEATHER, &c., DURING DEC., 1915.

STATION.	Latitude N.	Longitude W.	Elevation above sea level, in feet.	Total precipitation.	Difference from average.	Year's Observations.	RAINFALL. Amount in inches.	RAINFALL. No. of days .01 or over	RAINFALL. No. of fair days.	RAINFALL. Heaviest fall in month.	RAINFALL. Date.	SNOWFALL. Amount in inches.	SNOWFALL. No. of days.	SNOWFALL. Heaviest fall in month.	SNOWFALL. Date.
SASKATCHEWAN.															
S. Saskatchewan River—	° ′	° ′													
Gull Lake	50 6	108 29	.....	0.80	—	5	0.00	0	27	.....	.....	8.0	4	5.0	28
Gull Lake (Forks Swift Current)	50 40	107 47	.....	1.05	—	5	0.00	0	28	.....	.....	10.5	3	7.0	29
Saskatchewan Forks—															
Fort a la Corne	53 6	104 50	.....	0.80	—	1	0.00	0	25	.....	.....	8.0	6	4.0	9
Milk River—															
Battle Creek	49 29	109 41	.....	1 35	—	3	0.35	1	25	0.35	21	10.0	5	3.0	11-25
MANITOBA.															
Qu'Appelle and Assiniboine Rivers—															
Deloraine	49 11	100 28	.....	2.35	+1.53	14	0.00	0	26	.....	.....	23.5	5	8.0	12-15
Rapid City	50 7	99 57	.....	0.98	+0.37	23	0.01	1	24	0.01	6	9.7	6	4.5	15
Rosebank	49 22	98 5	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
ONTARIO.															
The Lake Superior Districts—															
Rainy River—															
Lac Seul Post	50 17	92 12	.....	1.50	—	2	0.00	0	24	.....	.....	15.0	7	4.0	7-17
Steep Hills Falls	48 4	84 48	.....	3.15	—	1	0.00	0	11	.....	.....	31.5	20	6.0	18
Whitefish (Kenora)	49 29	93 58	.....	1.05	—	1	0.00	0	22	.....	.....	1.05	9	3.0	15
Algoma—															
Sudbury	46 27	81 2	.....	0.87	—	2	0.00	0	26	.....	.....	8.7	5	3.1	7
Nipissing—															
Kirkland Lake	48 8	80 6	.....	2.20	—	1	0.00	0	21	.....	.....	22.0	10	4.5	31
Long Lake (Zeta)	.....	.....	.....	.....	.....	2	.....	.....	.....	.....	.....	.....	.....	.....	.....
Sellwood Junction	46 51	80 58	.....	2.80	—	1	0.09	0	19	.....	.....	28.0	12	8.0	23
Upper St. Lawrence and Lower Ottawa Rivers—															
Healey Falls (Campbellford)	44 18	77 30	.....	3.06	—	1	0.86	2	23	0 60	17	22.0	6	7.0	25
MacCue	44 53	76 10	.....	1.50	−0.56	32	0.60	2	26	0 40	17	9.0	3	3.0	2-9-12
Picton	44 2	77 0	.....	3.01	—	1	1.06	3	20	0 57	24	19.5	8	6.0	19
Sydenham	44 24	76 35	.....	2.05	−1 07	12	1 00	2	24	0.50	17-25	10.5	6	2.0	13-20
Trenton	44 9	77 42	.....	3.76	—	1	1 47	2	20	0 85	26	22.9	9	5.0	17
Vankleek Hill	45 31	74 40	.....	2.28	—	5	0 00	0	26	.....	.....	22 8	5	6.0	13
Westport	44 41	76 25	.....	1.83	−0.16	15	0.00	0	23	.....	.....	18.3	8	4.0	13
Georgian Bay Counties—															
Emsdale	44 30	79 14	1075	2 23	−0.95	20	R	1	17	R	25	22 3	14	6 0	24
Nipissing	79 12	45 56	.....	2.23	—	1	0.40	2	22	0.38	17	18 3	8	6.0	2
Wiarton	44 45	81 8	.....	1.52	−2.42	34	0.32	2	25	0.20	18	12.0	4	4.0	8-26
Lake Huron Counties—															
Watford	42 57	81 55	.....	—	—	34	0.15	1	—	0.15	16	Snow	not m	easure	d
Lakes St. Clair and Erie, Niagara Peninsula—															
Grantham	43 12	79 19	.....	3.13	—	6	2.43	5	16	0.77	26	7.0	11	2.0	13
Niagara Falls	43 7	79 4	.....	.....	.....	12	.....	.....	.....	.....	.....	.....	.....	.....	.....
Rock Chapel (Grimsby)	43 9	79 42	.....	2 58	—	2	1.00	4	19	0.38	26	15.8	9	3 5	31
West Central Counties—															
Grand Valley	33 53	80 21	.....	1.75	—	6	0.00	0	22	.....	.....	17.5	8	3 0	9-26
Westminster	42 56	81 17	.....	2.45	+0.19	33	0.85	3	24	0.59	17	16.0	6	5.0	29
Lake Ontario Counties—															
Deer Park	43 41	79 23	.....	1.72	−0.46	25	0 36	2	24	0.27	17	13.6	5	4.8	25
East Central Counties—															
Fenelon Falls	44 37	78 45	.....	3.15	—	1	0.25	1	21	0.25	17	29.0	9	10.0	24
QUEBEC.															
Ottawa River—															
Lucerne	45 32	75 58	.....	4.33	—	6	0.68	1	23	0.68	17	36.5	7	12.0	9
Perkins Mills	45 38	75 38	.....	2.90	—	5	0.00	0	25	.....	.....	29.0	6	12.0	10
Middle St. Lawrence—															
Point Madelene (Grandes Piles)	46 42	72 45	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
North-Western Districts—															
Kipawa Dam	.....	.....	.....	4.95	—	2	0.17	1	20	0.17	17	37.8	11	11.5	2
Quinze Dam	47 34	79 16	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
NEW BRUNSWICK.															
Point Escuminac	48 7	66 27	.....	6.78	+4.76	29	5.48	9	18	2.13	26	13.0	7	4.0	24

PRESSURE, HUMIDITY, CLOUDINESS AND WIND AT STATIONS OF THE FIRST CLASS DURING THE MONTH OF DEC., 1915.

a Barometer not reduced to sea level

STATION	Latitude N.	Longitude W.	Elevation above sea level, in feet.	Pressure. Mean reduced.	Pressure. Highest.	Pressure. Lowest.	Pressure. Range.	Mean relative humidity	Mean amount of cloud.	No. of days completely clouded.	Direction of Wind from N.	N.E.	E.	S.E.	S.	S.W.	W.	N.W.	C.	Total number of observations	Velocity of Wind. Mean miles per hour.	Maximum velocity.	Date and direction from.
	° ′	° ′	′																				
BRITISH COLUMBIA—																							
Atlin	59 35	133 38	2210	29.69	30.74	28.94	1.80	—	7	10	12	15	7	8	9	1	6	3	62	8.8	30	27NW
Barkerville	53 2	121 35	4180	29.90	30.52	29.32	1.20	—	7	7	0	1	0	4	3	10	0	0	44	62			...
Entrance Island	49 12	123 58	.	29.93	30.48	29.24	1.24	—	8	11	1	0	37	0	9	4	15	1	0	62	20.1	56	5E
Kamloops	50 42	120 29	1245	29.96	30.56	29.37	1.19	80	5	4	5	2	18	1	4	0	13	0	19	62	2.1	12	28W
Nanaimo	49 10	123 57	125	29.89	30.53	29.26	1.27	91	8	12	1	1	0	24	8	2	5	5	16	62			...
Prince Rupert	54 18	130 18	170	29.66	30.52	28.89	1.63	76	9	24	2	3	17	18	2	4	1	0	15	62	10.1	34	27S.
a Tranquille	50 41	120 29	.	28.66	29.11	28.09	1.02	81	7	4	11	15	13	1	0	1	4	1	16	62	6.0	22	28SW
Triangle Island	50 52	129 5	680	29.81	30.49	29.00	1.49	90	8	12	7	2	0	19	6	15	3	5	5	62			...
Vancouver	49 17	123 5	136	29.96	30.61	29.26	1.35	90	8	20	1	4	35	9	2	1	4	2	4	62	5.9	23	20SE.
Victoria	48 24	123 19	85	29.96	30.61	29.26	1.35	81	7	11	4	11	6	22	4	5	6	2	2	62	15.2	59	48E
YUKON—																							
Dawson	64 4	139 20	1200	29.81	30.58	29.06	1.06	—	8	21	10	0	0	0	0	0	1	3	48	62	....	...	....
ALBERTA—																							
Banff	51 10	115 34	4542	30.00	30.49	29.35	1.14	79	6	3	0	2	0	0	1	26	4	1	28	62			
Calgary	51 2	114 2	3389	29.90	30.46	29.40	1.06	86	3	0	1	1	0	2	5	5	3	34	11	62	4.5	34	28NW
Edmonton	53 33	113 30	2158	29.83	30.44	29.30	1.14	79	5	7	2	0	1	1	8	19	14	4	13	62	5.1	16	28NW
Medicine Hat	50 1	110 37	2161	29.85	30.43	29.26	1.17	86	5	1	4	0	0	0	5	24	11	4	14	62	..	....	....
SASKATCHEWAN—																							
Battleford	52 41	108 20	1620	29.95	30.50	29.32	1.18	—	6	11	0	0	3	26	0	2	10	10	11	62	7.0	32	8 S1.
Moose Jaw	50 21	105 35	1759	29.98	30.49	29.27	1.22	100	4	7	5	2	11	3	1	6	12	5	48	93			...
Prince Albert	53 10	106 0	1432	29.91	30.46	29.45	1.01	90	4	1	6	2	9	3	10	5	10	2	0	62	2.1	11	8E
Qu'Appelle	50 30	103 47	2115	29.64	30.38	29.27	1.11	87	5	5	1	3	2	11	14	9	9	11	2	62	9.4	26	16SE
Saskatoon (Univ. Sask)	52 15	106 30	1571	30.02	30.64	29.43	1.21	93	6	8	1	6	4	32	2	24	12	12	0	93	....	....	....
Swift Current	50 20	107 45	2439	29.92	30.46	29.25	1.21	73	5	5	1	1	0	3	8	26	13	9	1	62	9.4	27	8SE
MANITOBA—																							
Le Pas	53 49	101 15	860	30.03	30.38	29.61	0.77	88	7	17	2	3	14	11	6	4	19	4	8	62	....	....	7NW
Minnedosa	50 15	99 50	1699	30.61	30.40	29.51	0.89	93	6	11	0	2	12	1	2	0	4	16	25	62	....	....	....
Winnipeg	49 53	97 7	760	30.05	30.45	29.56	0.89	95	6	11	7	1	14	25	7	7	7	18	7	93	9.1	23	.
ONTARIO—																							
Cochrane	49 2	81 0	946	30.11	30.50	29.46	1.13	87	7	11	12	1	4	13	13	2	8	17	2	62	5.8	21	14NW
Haileybury	47 29	79 39	687	30.07	30.54	29.45	1.09	92	8	18	9	2	2	6	3	4	9	16	11	62			
Kingston	44 13	76 29	285	30.02	30.60	29.45	1.15	85	8	15	5	7	2	6	0	18	11	13	0	62	10.1	27	23SE
a Lindsay	44 20	78 45	872	29.01	29.46	28.55	0.91	—	7	11	17	0	7	4	12	10	8	21	11	93	..	....	.
London	42 59	81 13	908	30.00	30.49	29.46	1.04	89	9	21	4	19	1	10	0	10	8	41	0	93	....	....	.
Ottawa	45 26	75 42	294	29.99	30.57	29.37	1.20	95	8	13	3	7	11	0	0	4	21	15	1	62	....	....	....
Parry Sound	45 19	80 0	635	30.01	30.53	29.43	1.10	82	8	16	7	15	2	9	4	2	1	22	0	62	8.1	25	17SE
Port Arthur	48 27	89 12	644	30.06	30.55	29.50	1.05	88	7	9	7	15	0	9	4	4	17	30	7	93	8.5	31	14NW
Port Stan. y	42 40	81 13	592	30.05	30.55	29.60	0.95	86	9	23	2	6	6	1	0	10	18	11	5	62			
Southampton	44 30	81 21	656	30.02	30.54	29.44	1.07	89	9	24	13	12	15	2	0	3	6	4	1	62	13.6	28	14NW
Stonecliff	46 9	76 6	657	30.03	30.53	29.52	1.01	—	7	12	0	2	11	1	3	5	30	5	2	62	3.7	16	14NW
Toronto	43 40	79 24	350	30.03	30.56	29.45	1.08	86	8	12	10	1	0	2	3	8	22	5	0	62	14.3	44	20NE
White River	48 35	85 16	1252	30.03	30.56	29.44	1.12	—	8	18	7	1	4	1	8	0	5	14	22	62	3.5	14	8NW
Woodstock	43 8	80 47	980	30.01	30.52	29.48	1.04	87	9	19	8	11	4	9	0	22	18	21	0	93	10.9	28	29N1
QUEBEC—																							
Anticosti S. W. Pt.	49 24	63 35	30	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
Father Point	48 31	68 19	20	29.90	30.34	29.19	1.15	81	9	20	8	17	4	4	1	10	4	12	4	62	14.6	40	12NE.
Harrington Harbour	50 40	59 19	.	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
Montreal	45 30	73 35	187	29.97	30.55	29.29	1.26	77	8	14	3	7	8	5	8	2	13	14	2	93	13.8	....	....
Quebec	46 48	71 13	296	29.94	30.48	29.09	1.39	85	8	17	1	26	1	1	0	29	17	18	0	93	13.3	51	14NE
Sherbrooke	45 32	72 5	620	29.96	30.61	29.13	1.48	86	8	15	3	3	2	18	4	11	30	22	0	93	8.1	29	14SW
NEW BRUNSWICK—																							
Chatham	47 3	65 29	21	29.85	30.32	28.99	1.33	78	7	11	7	7	7	2	0	12	19	7	4	62			
Fredericton	45 57	66 36	184	29.88	30.37	29.04	1.33	86	7	13	6	0	4	6	0	4	24	24	10	93	7.9	39	27NW
St. John	45 17	66 4	70	29.85	30.32	28.98	1.34	77	7	11	19	1	5	5	4	3	27	25	4	93	16.0	64	27NW
NOVA SCOTIA—																							
Halifax	44 39	63 36	88	29.81	30.35	28.93	1.42	88	8	13	3	15	3	2	1	7	8	23	0	62	12.9	42	13SE
Sable Island (MStation)	43 57	60 6	25	29.80	30.38	29.18	1.20	—	8	18	12	9	5	8	8	38	6	7	0	93	11.9	50	28SW
Sydney	46 10	60 10	35	29.78	30.31	29.03	1.28	81	9	26	1	12	7	0	4	11	26	19	3	93	20.1	55	27W
Truro	45 22	63 18	72	29.87	30.37	29.34	1.03	—	—	—	0	7	4	4	2	4	2	17	6	50			
Wolfville	45 7	64 20	135	29.83	30.33	28.96	1.37	81	8	20	3	3	4	2	7	13	12	13	0	62	11.5	43	26NW
Yarmouth	43 50	66 2	65	29.84	30.31	29.03	1.28	80	8	13	10	7	5	3		5	4	23	2	62	15.0	50	26SW
P. E. ISLAND																							
Charlottetown	46 14	63 10	38	29.80	30.29	29.01	1.28	86	8	18	11	7	1	3	6	3	20	9	2	62	9.7	26	14S1
NEWFOUNDLAND																							
Burin	47 0	55 10	27	29.73	30.32	28.97	1.35		8	21	1	9	2	9	6	5	17	10	0	62	....	....	....
Fogo	49 43	54 17	30	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
Port aux Basques	47 35	59 10	27	29.73	30.25	28.96	1.29	—	9	25	5	15		1	1	3	7	21	0	62	.	....	....
St. George's	48 27	58 31	21	29.75	30.29	28.96	1.33	82	9	17	4	6	11	8	2	6	8	17	0	62	....	....	....
St. John's	47 34	52 42	125	29.62	30.17	28.68	1.49	84	7	14	21	9		4	4	3	8	6	3	62	....	....	....
BERMUDA																							
Prospect	32 17	64 46	141	30.08	30.40	29.60	0.80	82	6	1	10	7	1	4	4	24	7	36	0	93		....	.

FREQUENCY OF THE WIND FROM THE EIGHT CARDINAL POINTS, AT STATIONS OF THE SECOND CLASS, DURING THE MONTH OF DECEMBER, 1915

STATION	DIRECTION OF WIND FROM									Total number of Observations
	N.	N.E.	E.	S.E.	S.	S.W.	W	N.W.	C.	
British Columbia—										
Boswell	5	0	0	0	26	0	0	0	0	31
Chinook Cove	2	0	0	0	8	0	0	0	52	62
Coronation	3	0	2	6	30	12	5	4	0	62
Gateway	0	1	2	21	2	6	1	5	0	38
Hope	0	0	38	0	0	0	28	0	1	62
Ikeda Bay	0	0	2	28	1	8	5	9	9	62
James Island	0	3	1	4	0	0	0	0	21	29
Mary Island	0	0	0	29	0	6	0	27	0	62
Massett	8	12	0	20	0	9	2	11	0	62
Pemberton Meadows	1	2	0	0	0	14	8	6	0	31
Sidney	1	4	2	18	5	13	0	19	0	62
Tappen	12	0	6	16	3	0	6	11	6	60
Alberta—										
Athabasca Landing	4	3	0	4	5	6	7	2	0	31
Beaver Lodge	4	16	8	2	1	5	11	15	0	62
Claresholm	3	0	0	1	0	4	14	4	5	31
Didsbury	0	0	0	1	1	16	4	9	0	31
Halkirk (Emsburg)	5	1	1	10	9	22	6	8	0	62
Hillsdown	0	1	0	10	4	16	2	16	13	62
Lacombe	3	0	1	1	5	1	4	0	16	31
Lethbridge	9	0	3	3	1	27	10	9	0	62
Loveland	2	3	1	13	2	18	7	16	0	62
Macleod	5	1	0	0	0	2	43	2	9	62
Pekisko	0	2	4	0	0	2	22	0	1	31
Ranfurly (Waitefield)	1	2	13	26	8	5	12	20	6	93
Sion	4	2	7	29	14	12	24	13	0	105
Twin Lakes	3	0	1	0	1	12	13	1	0	31
Saskatchewan—										
Brownhill (Grenfell)	1	2	1	9	8	19	5	19	0	62
Cabri	3	0	0	3	2	4	9	6	4	31
Chaplin	0	0	0	9	9	0	30	14	0	62
Crescent Lake	4	3	1	14	10	13	11	6	0	62
Estevan	0	0	4	1	6	1	11	2	6	31
Fort Qu'Appelle	0	6	10	19	5	7	6	6	3	62
Govenlock	1	0	4	2	0	0	11	9	4	31
Haleyonia	1	3	6	5	0	2	11	3	0	31
Indian Head	2	6	6	12	25	14	12	13	3	93
Kamsack	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Klintonel (Divide)	7	3	1	0	2	7	22	20	0	62
Larchmount (Pambrum)	0	5	0	4	0	17	15	21	0	62
Muenster (St. Peter's Monastery)	6	2	0	3	19	22	8	2	0	62
Onion Lake	0	3	17	0	0	0	7	4	0	31
Pense (Gatesgarth)	1	1	0	17	0	0	3	8	0	30
Waseca	0	2	0	8	0	0	2	19	0	31
Manitoba—										
Brandon	1	26	7	4	1	13	22	10	4	88
Hillview	0	13	19	11	5	18	9	18	0	93
Moose Horn Bay (Aitkensville)	11	7	4	12	9	0	2	8	6	59
Morden	16	2	0	15	8	5	7	2	7	62
Oak Bank	7	0	1	11	12	5	3	15	8	62
Stony Mountain	1	2	10	14	5	6	4	20	0	62
Swan River	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Ontario—										
Agincourt	10	6	10	1	1	20	21	21	3	93
Alton	21	2	13	0	7	4	30	16	0	93
Barrie	17	5	7	5	7	12	8	18	14	93
Beatrice	10	1	1	7	6	1	1	25	41	93
Brucefield	5	6	8	6	7	6	10	13	1	62
Cottam	22	2	5	4	2	8	17	2	0	62
Gravenhurst	20	5	10	14	9	7	8	7	13	93
Guelph	3	10	7	4	0	22	6	29	12	93
Meaford	9	1	1	2	1	3	5	3	6	31
North Bruce	24	5	21	0	10	13	8	12	0	93
Orillia	1	3	0	2	4	8	11	2	0	31
Oshawa	8	5	3	1	0	2	9	1	2	31
Owen Sound	0	19	0	12	0	19	0	12	0	62

FREQUENCY OF THE WIND FROM THE EIGHT CARDINAL POINTS, AT STATIONS OF THE SECOND CLASS, DURING THE MONTH OF DECEMBER, 1915.

STATION	DIRECTION OF WIND FROM									Total number of Observations
	N.	N.E.	E.	S.E.	S.	S.W.	W.	N.W.	C.	
ONTARIO—Continued										
Port Dover	5	2	4	1	3	4	7	5	0	31
Providence Bay	7	9	2	3	1	1	0	4	0	27
Quorn	0	0	0	0	2	4	15	10	0	31
Savanne	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Sioux Lookout	15	5	1	4	3	1	0	2	0	31
Stoney Creek	5	15	14	3	0	5	28	23	0	93
Sundridge	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Wexford	1	0	6	1	0	4	3	11	5	31
QUEBEC—										
Abitibi	35	3	13	4	6	1	18	13	0	93
Anticosti, Heath Point	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Anticosti, West Point	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Bicquet	18	23	1	0	8	11	6	15	10	92
Brome	8	0	5	0	15	9	54	1	0	92
Cape Chatte	8	10	20	0	0	4	29	2	20	93
Cape Magdalen	0	10	9	9	10	1	2	48	4	93
Cap Rouge	10	9	0	0	0	0	0	12	0	31
Cedars Rapids	4	4	2	2	0	8	8	3	0	31
Chicoutimi	2	16	2	9	0	0	0	1	63	93
Drummondville	0	7	4	6	3	12	2	6	22	62
La Loutre Rapids	0	0	0	9	0	0	0	15	7	31
Lambton	14	0	0	6	1	4	6	0	0	31
St. Lin	0	2	0	0	0	0	3	0	26	31
Shawbridge	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Sorel	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
NEW BRUNSWICK—										
Dalhousie	1	1	7	1	0	0	19	0	1	30
Moncton	4	3	3	0	1	1	0	19	0	31
Pt. Lepreaux	12	1	4	7	6	23	11	17	0	81
Sussex	0	8	0	0	2	0	3	6	12	31
NOVA SCOTIA—										
Advocate	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Annapolis Royal	10	5	0	1	0	7	5	13	21	62
Bridgetown	7	5	6	1	6	2	5	2	28	62
Kentville	12	2	4	3	7	3	25	6	0	62
Kentville (Exp. Farm)	6	0	4	1	9	8	31	3	0	62
Liverpool	4	9	5	2	0	0	2	9	0	31
Middleton	4	4	6	3	3	7	9	19	0	55
Nappan	5	1	0	1	6	1	4	4	9	31
Sable Island, E. Pt.	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Whitehead	5	3	4	0	7	2	1	9	0	31

MEAN PROPORTION OF BRIGHT SUNSHINE REGISTERED IN EACH HOUR OF THE DAY IN THE MONTH OF DECEMBER, 1915

STATION.	Hours Ending																	
	4 a.m.	5 a.m.	6 a.m.	7 a.m.	8 a.m.	9 a.m.	10 a.m.	11 a.m.	Noon.	1 p.m.	2 p.m.	3 p.m.	4 p.m.	5 p.m.	6 p.m.	7 p.m.	8 p.m.	9 p.m.
British Columbia																		
Shawnigan Lake						.07	.27	.30	.27	.31	.21	.12	.04					
Victoria					.01	.12	.31	.32	.35	.36	.30	.18	.05					
Salmon Arm						.02	.14	.19	.25	.25	.20	.21	.03					
Nanaimo					.01	.14	.31	.31	.30	.15	.05	.01	.01					
Sidney						.17	.32	.34	.35	.20	.30	.13	T					
Vancouver						.07	.14	.20	.21	.19	.16	.13	.07					
Agassis							.08	.13	.11	.15	.14	.10	.04					
Tranquilla						.04	.28	32	.35	.38	.31	.33	.08					
Summerland						.05	.07	.19	.18	.15	.21	.07	T					
Kelowna						.03	.10	.18	.22	.27	.24	.16	.09					
Kamloops							.19	.31	.32	.40	.35	.14						
Invermere						.05	.08	.18	.22	27	.35	.24	.06					
Alberta																		
Edmonton						.15	.33	.35	.38	.46	.48	.41	.12					
Lethbridge						.14	.35	.47	.46	.48	.49	.44	.27	.01				
Lacombe					.01	.25	.38	.41	.49	.50	40	.24	.02					
Medicine Hat						.09	.32	.36	.44	.52	.51	.39	.21					
Fort Dunvegan						.02	.47	.62	.71	.65	.64	.60	.20					
Fort Vermilion							.07	.22	.34	.41	.43	.35	.13					
Vermilion																		
Saskatchewan																		
Battleford					.10	.38	.35	.43	.50	.50	.48	.30						
Qu'Appelle						.05	.34	.43	.45	.47	.46	47	.17					
Indian Head							.08	.21	.50	.60	.45	27	.06					
Moosejaw						.18	.38	.50	.58	.53	50	37	.17					
Scott						.05	.23	.32	.40	.45	.43	.31	.14					
Rosthern						.03	.17	.30	.35	.53	.54	.49	.26					
Saskatoon						.11	.32	.42	.48	.53	.51	.47	.28					
Swift Current						.04	.30	.42	.47	.47	.47	.38	.22					
Manitoba																		
Brandon					.01	.11	.30	.42	.47	.47	.38	.14	.02					
Winnipeg						.05	.14	.27	.39	.42	.38	.32	.15					
Le Pas							.03	.12	.18	.29	.30	.26	.02					
Ontario																		
Haileybury						.02	.08	.19	.17	.24	.26	21	.16					
Gravenhurst						.06	.19	.30	.34	.37	.23	.25	.09	T				
Woodstock					.04	.08	.14	.29	.35	.27	.18	.10	.07	T				
Lindsay						.01	.10	.20	.31	.42	.37	25	.15	.02				
Barrie					.01	.07	.13	.22	.23	.24	.22	.11						
Guelph																		
Toronto					T	.20	.53	.47	.44	.43	.38	.33	.28	.05				
Vineland (Lincoln Co.)						.07	.12	.21	.23	.35	.33	.31	.18	.02	.01			
Kingston					T	.15	.24	.25	.29	.32	.27	.29	.23	.01				
Ottawa					.01	.13	.12	.22	.29	.34	.37	.35	.24	.02				
Quebec																		
Montreal						.06	.17	23	.27	.25	.23	.26	.13					
Cap Rouge						.04	.15	13	.16	.19	.16	.25	.10					
Quebec						.16	.25	.23	.27	22	.28	25	.13					
Ste Anne de la Pocatiere					.10	.25	27	.29	.35	.32	.28	26	.01					
Sherbrooke							01	.07	18	.18	.15	.10	.05					
Lennoxville						T	04	05	.12	.16	15	.15	.06					
New Brunswick																		
Fredericton					T	19	.23	.34	32	.31	.26	36	.24	T				
Prince Edward Island																		
Charlottetown						09	.15	.17	27	.29	.23	14	.05					
Nova Scotia																		
Nappan						09	.25	.27	33	.33	.34	.26	.20	.02				
Wolfville					.04	21	.27	20	31	.30	.25	26	.13	02				
Kentville						12	.21	.26	.26	25	.25	.28	.17	.03				

SUMMARY OF SUNSHINE RECORDS

DEC., 1915	Shawnigan Lake	Victoria.	Salmon Arm.	Nanaimo	Sidney	Vancouver	Agassiz.	Tranquille.	Summerland.	Kelowna	Kamloops	Invermere.	Edmonton.	Lethbridge.	Lacombe.	Medicine Hat.	Fort Dunvegan	Fort Vermilion	Vermilion	Battleford.	Qu'Appelle	Indian Head.	Moose Jaw.	Scott.	Rosthern.	Saskatoon.	Swift Current.	Brandon.	Winnipeg	Le Pas	Haileybury.	Gravenhurst	Woodstock.	Lindsay.	Barrie.	Guelph	Toronto.	Vineland	Kingston.	Ottawa.	Montreal.	Cap Rouge.	Quebec.	Ste. Anne de la Pocatière	Sherbrooke
Registered duration in hours	20	62	43	40	50	36	23	65	29	40	53	43	83	96	83	87	122	61	....	05	88	67	100		83	97	86	72	65	37	45	57	47	57	38	...	91	57	63	61	49	36	58	66	23
Percentage of possible duration	11	24	10	16	23	14	9	26	12	16	21	18	36	38	35	34	66	31	..	40	35	27	40	30	35	40	24	20	26	16	17	21	17	21	14	...	33	20	23	24	20	14	21	25	8
Difference from average	—	+ 9	—	+ 2	—	—	— 5	—	—	—	0	—	+ 3	—	—	+ 1	—	—	..	+ 9	—	+ 3	—	—	—	—	—	— 3	— 6	—	— 6	—	— 2	0	— 2	...	+ 9	—	— 2	+ 1	— 6	—	— 8	—	—10
Maximum percentage in one day	83	81	76	63	80	90	76	81	76	88	62	78	92	85	86	89	96	86	..	96	83	65	91	90	91	94	89	84	94	73	76	75	71	81	60	....	97	76	85	95	83	79	90	92	63
Date of maximum	28	28	20	9	29	28	29	20	29	28	29	29	19–22	6	22	6–19–22	20	10	.	30	4	3	10–18	23	7	23	3	12	1	12	22	20	11	6	16	....	9	20	16	11	12	12	11	12	31
Number of days completely clouded	14	12	15	17	14	15	25	9	20	16	15	13	8	5	5	0	4	14	...	9	10	9	9	13	11	9	8	13	14	20	13	12	14	13	15	....	10	13	16	16	14	29	17	11	21

SUMMARY OF SUNSHINE RECORDS

DEC., 1915	Lennoxville	Fredericton.	Charlottetown.	Nappan	Wolfville	Kentville
Registered duration in hours	22	67	43	64	64	56
Percentage of possible duration ..	8	25	16	24	23	21
Difference from average	—	—11	— 6	—	—	—
Maximum percentage in one days..	60	92	76	85	97	87
Date of maximum..	31	12	27	31	31	27
Number of days completely clouded.....	23	15	18	14	11	13

Aurorcas recorded:

1. Sion III.

2. Sion II, Brownhill III, Aitkensville III, Treherne III, St. Albans II, Fort Vermilion II, Wabasca IV, Fort George, Que., II,.

3. Sion IV, Hardisty.

4. Sion IV, Fort Vermilion I.

5. Atlin I, Edmonton III, Hillsdown IV, Sion III, Hardisty, Waseca, Fort Vermilion, Fort George, Que., II, Wabasca, Ranfurly IV.

6. Fort Vermilion II, Atlin III, Edmonton III, Medicine Hat, Port Nelson, Halkirk, Sion II, Hardisty, Campsie IV, Waseca, Prince IV, St. Albans II, Fort George, Que., I, Ranfurly IV.

7. Fort Vermilion I, Atlin III, Medicine Hat, Timmins, Mistassini III, Hardisty, Campsie IV, Prince, Crescent Lake IV, Morden II, Treherne III, St. Albans IV, Wabasca III.

8.

9. Sion III, Waseca

10. Yellow Grass.

11. Quebec IV, Haileybury III, Barrie IV, Rutherglen, Clontarf, Queensborough, Okotoks, Grand Rapids, Aitkensville IV.

12. Mistassini IV, Fort Vermilion.

13. Hardisty, Aitkensville IV, Fort Vermilion I.

14. Hardisty, Campsie IV, Fort Vermilion, Beaver Lodge.

15. Port Arthur, Hardisty.

16. Aitkensville IV.

17.

18. Fort Vermilion.

19.

20.

21. Fort Vermilion I.

22.

23.

24. Fort Vermilion.

25. Timmins, Hillsdown IV, Sion IV, Grand Rapids.

26.

27. Chicoutimi.

28.

29. Sion IV.

30.

31. Sion IV.

FORECASTS FOR DECEMBER, 1915

The forecasts issued by this office at 11 p.m. each night, are posted up at every telegraph station in Canada, and are for the 24 hours beginning at 8 a.m. the following day.

The number of these predictions issued during the month was 1312. These were divided as follows:

District.	No. Issued.	Verified.			
		No. Fully.	No. Partly.	No. Not.	Percentage.
Alberta	79	66	9	4	89.2
Saskatchewan	82	63	17	2	87.2
Manitoba	83	68	14	1	90.4
Lake Superior	121	92	24	5	85.9
Lower Lake Region	128	105	21	2	90.2
Georgian Bay	127	105	13	9	87.8
Ottawa Valley	115	92	14	9	86.1
Upper St. Lawrence	115	96	12	7	83.7
Lower St. Lawrence	103	76	22	5	84.5
Gulf	113	90	16	7	86.7
Maritime Provinces West	122	95	24	3	87.7
Maritime Provinces East	124	98	21	5	87.5
Total	1312	1046	207	59	87.6

In order to obtain the percentage of verification of the predictions, the number partly verified is divided by two and added to the number fully verified, and the result divided by the total number issued.

In ascertaining to what extent the predictions have been verified, the reports from the agents at all observing stations, as well as the telegraphic reports, are used.

R. F. STUPART, Director

Meteorological Office, Toronto,
February 2nd, 1916.